THE
INTERNATIONAL
SHORT WAVE
LEAGUE

monitor

JANUARY 1973

Volume 22

No. 1

COME RAIN — COME SHINE THIS IS ANTENNAE TIME

ATLAS

MOSLEY of England Antennae
Mustang. 3 band 3 elements
Elan. 2 band 3 elements
TA-33 Jr. 3 band 3 elements
TA-32 Jr. 3 band 2 elements
TA-31 Jr. 3 band dipole
V-3 Jr. 3 band vertical
A-310. 10 metre 3 elements
A-315. 15 metre 3 elements
Atlas. 4 band vertical
TD-3 Jr. 3 band trap dipole
RD-5. SWL amateur bands
SWL-7. SWL broadcast bands
D-4BCa. Base loading coil for ATLAS for 80 metres
TW-3X Jr. 20, 40 and 80 metre vertical
VTD-3 Jr. 3 band vertical for difficult locations
MOSLEY U.S.A. types
MCQ-3B. 10, 15 and 20 metre Quad
MCQ-20. 20 metre Quad
Classic-33. 10, 15 and 20 metre 3 elements
Classic-203. 20 metre 3 elements
A-92-S. 2 metre 9 elements
DI-2. 2 metre. Ground plane
Other U.S.A. types to special order.

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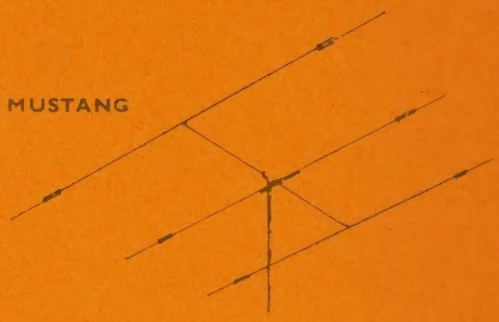

MUSTANG

V-3 Jr.

FOR SHORT WAVE LISTENERS. Both Broadcast and Amateur

These Antennae are especially for you, to give you better reception than the random long wire and many other types.

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RD-5. 10 - 15 - 20 - 40 - 80 metres.

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MONITOR

JOURNAL OF THE INTERNATIONAL SHORT WAVE LEAGUE

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ACKNOWLEDGEMENT. Your Secretary, General Editor and other Council members have received many letters bearing best wishes from members for the season. These are acknowledged with thanks through Monitor as they are too numerous to acknowledge individually. We also thank all the broadcasting stations who have sent greetings to the league during the last month.

GENERAL EDITORSHIP With reference to December issue this month's copy is the last prepared by Ron Cheeseman. Keith Baker will be the general editor by the time you read this and therefore all correspondence in respect of Monitor should be forwarded to him at 151 Lower Luton Road, Wheathampstead, Herts. Amateur log reports should also be sent to Keith for the time being.

NEW CALLSIGNS. B.Pidoux, F-11727, of Paris now has the callsign F6BVP. Martyn Phillips G-11361, of Fulham, has gained the call G8GWI, and hopes to be active by the time you read this. Martyn informs us that he will QSL all correct reports by members. Reg Vincent, G-748, now has the call G8GXA, is on 145.022. Mhz. and will QSL listener reports if further than 75 miles from his QTH. We offer our congratulations to all of the above.

ROBERT BOULE - W2OKM. We regret that Mr. Boule was inadvertently missed from our list of callsigns for 1970 and 1972. W2OKM was a member of ISWL for those years.

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NEW MEMBERS - NOVEMBER 1972

SK - 14173 Ludvika Radio C. Sweden. SK4DM
G - 14174 A.Withers, Eastleigh. Hants.
GI - 14175 D.Mawhinney, Co. Antrim
DA - 14176 G.Staples,Germany,DA1MI/WB9ISX
GM - 14177 I.Walton, Dumfries.
G - 14178 R.Hills, Crawley, Sussex
G - 14179 G.Wegg, Spalding. G3ANM
G - 14180 E.Foster, Highbridge, Somerset
G - 14181 W.Huckstepp, Rochester, Kent
G - 14182 K.Dawson, Lowesroft, G3XSK
GM - 14183 P.Giles, Dumbarton
G - 14184 J. Moran, Bolton, G3XUM
EP - 14185 S. Poland, U.S.A. EP2SP
GI - 14186 B.Morrison, Belfast
GM - 14187 A.Hood, Kilmarnock.
G - 14188 S.Adams, Basingstoke.
G - 14189 P. Wybrow, Solihull
F - 14190 B. Chereau, France. F9IE
9Y4- 14191 C. Chan. Trinidad
G - 14192 D.Kentfield, Gosport. G2AOF
G - 14193 P.Bell, Liverpool
DL - 14194 S.Schilde, Germany. /G3II
G - 14195 S.Mayhead.Kingston-U.Thames/
G - 14196 P.Tarry, Matlock, Derbyshire.
F - 14197 T.Robinson, France, F8RU
EP- 14198 F.Wedemeyer, Iran. EP2BI
G - 14199 Miss W.Morrell, Northampton
GW - 14200 J. Roberts, Merioneth.
G - 14201 D.Hall, Cheadle, Cheshire.
GI - 14202 G.Ward, Belfast, GI3ZCK
G - 14203 T.Mullan, Bristol
G - 14204 R.Taggart, Gt.Yarmouth.G4BKR
W3 - 14205 D.Renken, Pennsylvannia.
VS6- 14206 Lt.Moxon R.N. VS6DM, G4BLV.
VS6- 14207 Miss. A. Nicolle, Hong Kong
G - 14208 R.Morgan, Solihull.
JA - 14209 T.Sugihara, Japan, JA4WNR
VE2- 14210 P.Vennor, Montreal.

RE-JOIN MEMBERS - NOVEMBER

G - 12615 C. Davis, Uxbridge
G - 9354 C. Vance, Swindon.
G - 3315 G.Grimmer,Lowestoft,G3KJU
VK4 -10884 F. Webb, Queensland,

CAMP AMERICA many members will know that Gerhard Elsigan, OE3GEA/OE113800, spent part of the summer in the U.S.A.. This was possible because of a student exchange programme called Camp America. It is based in Connecticut but has a European H.Q. in London with several regional offices. Every Year CA takes more than 1,000 European students, teachers, social workers and others to the states. Those chosen work in children's summer camps as counselors in a large range of jobs. They are expected to work 6 days a week for which they get food, lodging, insurance and they receive pocket money. In some camps special bonuses are paid. Flights to the states are also paid. The jobs are for about 8 weeks and afterwards they get approximately 14 days holiday. They have to pay their expenses during the 14 days. The camp season is for about 8 weeks. As far as Gerhard it was the holiday of a lifetime and he felt that some of our members would be interested to know of the scheme. It seems an ideal chance to meet stateside ham operators personally and it is quite easy to obtain a guest licence, which does not cost anything. At the camp Gerhard was at, he was able to operate the club station K1PGQ. If any member is seriously interested, from Europe that is, they should write for free details to Camp America, 10 Kendrick Place. London S.W.7. It is advisable to write early in the year to make sure of possible inclusion in the scheme.

MEMBERS ADVERTISEMENTS

Rate ½p per word. Box no. 2½p extra.

FOR SALE. K.W. Valiant, 160 - 10m. professionally built PSU, with low power inter lock for 160; low power for tuning other bands. PTT transistorised relay amp, built in antenna relay. £30. ono. Graham Bedwell, G3XYX, 130 Clifton Road, Wokingham, Berks.

AMATEUR BANDS REVIEW

LOGS SECTION

Editor: Ron Cheeseman, G-12665, 4 Milton Road, Swindon, Wilts.

At this date the council have not been able to appoint a new editor for this section so please send all reports for the time being to the new general editor Keith Baker, at 151 Lower Luton Road, Wheathampstead, Herts.
This is the first section report for 1973 but the last to be edited by me. Not many contributions this time in respect of November listening but I hope that December results will produce a bumper log for February edition of Monitor.

1.8 - 2.0 Mhz.

Only one report for this band this month. It would therefore seem that conditions have not been all that good.

Dennis J. Raven, G-13656, Lowestoft. cw. GM3WDF, HB9CM, HB9NL, OK1ATP, OK1FYW OK1KNN, OK1KPU, OK1MAC, OK2HC, OL1AOH, OL5AOY. ssb. DJØMR, DL5XF.

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3.5 - 3.8 Mhz (3.8 - 4.0 Mhz U.S.A.)

George Briddon, G-3651, Matlock. ssb. G2BBC. GB3BBC, GI3SXG, YU3ZV.
(I have included all your log, George, but Europeans are not really DX this band.)

Colin Dean, G-13636, Parnsley. ssb. DU1EJ, KP4AN, M1I, PZ1CU.

Eskil Eriksson, SM-5252, Enskede. ssb. ZB2CM.

John Fitzgerald, G-11570, Ct. Missenden. ssb. CE8AA, KV4FZ, LU6FEP, M1I, PY2BG, PZ1CU, YAØCRDC, XT2AC, 3A2EE, 6W8DY, 9K2AL.

Roger Hunter, GW-13993, Carmarthen. ssb. EL2AK, JX6VO, KP4AN, KV4FZ, PZ1CU, TYØABD, UV9SF, 6W8DY.

Andrew Johns, G-13944, Saltash. ssb. UB5UAR, UQ2LM, UR2BW, UR2RC, UT5OF, YK4YZZ ?. (I have included your log but they are not really DX for 80m, Andrew).

Julius Komlos, DL-12090, Karlsruhe. cw. HS4AGN, JA9YBA, G3FNF/JY.

Peter Kuhfus, DL-13521, Wiesbaden. cw. PX3AB, UA9CM, UL7GW. ssb. EA6BG, EA8GK, FØADO/FC, KØIIJ/8Z4, YA1DI, 3A2EE, 4Z4DX, 6W8DY.

Stephen Lowe, G-13503. (I receivedsh.report with no name, number or QTH but as it was postmarked South Devon I assumed that it was yours, Stephen. I hope that I am right !) ssb. LU6FEP, W2YY, 6W8DY.

Arthur Miller, G-5218, Bromsgrove ssb. XT2AC, ZD3X, 6W8DY, 9Y4T.

Terry Mullan, G-14203, Bristol. ssb. CT1WW, IP1ONT, KM6ADW. (I have included a few of your calls Terry, but could you please look at rules in December issue, for future reports.)

3.5 - 3.8 Mhz (3.8 - 4.0 Mhz U.S.A.) continued.

Dennis J. Raven, G-13656. ssb.. CN8BB, CN8HD, HC2YL, KØIIJ/8Z4, KP4AN, OA6NCT VE1UA, VE2GC, VE2CB, VE2WK, VP2LI, ZL4KF, ZL4LT, 7XØGM.
John Warren, W5-6161, Houston. ssb. CR4BC, HKØBKX, JA1EOD, KA1DX (Marcus) KG6JBO, KH6EDY(Kure), KS4KZ(Serrana), KS6DH, WA1ARF/HR6(Swan), YJ8GH, ZD3X.

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7.0 - 7.1 Mhz (7.1 - 7.3 Mhz U.S.A.)

Eskil Eriksson, SM-5852. ssb. JA2BAY, TI2IO, VK7GK, ZL2AUJ, 3AØFY/M, 9M2DQ.
John Fitzgerald, G-11570. ssb. CR6GA, DU1ES, TI2IO, VK3ZL, OH2MM/6W8, 6W8DY.
Roger Hunter, GW-13993. ssb. JA1OJU, K4RD, KZ5PW, UH8BY, 5Z4KL.
Julius Komlos, DL-12090. cw. SM2AGD/CEØ (0640), CR7IZ (1620), FR8XX(2305), FG7IG, FPØBG, HC2HM, HM4GF (2130), HS4AGN, KG6JAR, VK3APN, VU25UR, XW8BP, YA1OS(1404), ZE5JJ, ZF1VD, 8P6DR, 9K2BQ.
Peter Kuhfus, DL-13521. cw. PY4BVL, SMØAGD/CEØ. ssb. EA9EU.
Stephen Lowe, G-13503. ssb. UP2ER, SZ4KL.
Arthur Miller, G-5218. ssb. FP8AA, HR1RF, HTØA, IG9BAF, PJ1AA, TI2JIC, VK7GK, VP2LX, W4GIW/VP7, XT2AC, YN9LSC, ZD3X, ZL4BO, 6G1AA, 9C9TW. 9E3USA 9Y4KR.
John Warren, W5-6161. ssb. CP5EZ, CR4BC, CR6OR, CR7IC, DU1EJ, EL2DI, FGØAMC/FS7 FO8DF, HKØBKW, JA1HGY, JA2OF, JA3YBF, JA4DGG, JA5YAZ, JA6DZA, JA7RQ, JA8ADL JA9JX, JAØVI, KA1DX, KL7AIZ, KS4KZ, KX6BU, SM2AGD/CEØ, VE3MR/4X, XV5AC, YB3AAY, ZD3X, 5VZYH.

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14.00 - 14.35 Mhz.

George Briddon, G-3651. ssb. AC5KKC, CR4BS, FØADO/A, FØPQ, JY9DB, JY9VO, TZ2AC, VK3CW, VK4KS, VK6CT, VK8AK, YN1DS, ZP3CJW, 9J2SS, 9M2DQ, 9V1RA.
Bill Cook, GW-11741. Bridgend. ssb. JY1VO, KH6DJF, MP4MBC, VK2HEB, VK6MO, VQ9R, XP1AA, ZL3UY.
Colin Dean, G-13636. ssb. FØADO/FC, HS1ABF, VS6GM, XE1IX, 3B8AW, 4S7AS, 7X2BH, 7Z3AB.
Eskil Eriksson, SM-5852. ssb. FB8XX, FB8ZA, FR7AI/E, MP4TEE, TZ2AC, UKØSAA/P, VK9GO, VP9K, 3B8CV, 9G1WW.
John Fitzgerald, G-11570. ssb. JY9DO, KA6BB, KG6SW, KH6BB, SU1MA, VQ9HCS (Aldabra), VQ9R/D (Desroches Is.) XE1IX, YN1CAL, ZD3Z, ZD8KO, 9L1VW.
Roger Hunter, GW-13993. ssb. CR7IK, EL2CP, ET3DS, KG6APF, KH6BB, PZ1DR, TYØABD, VK3KW, ZL3NB, 9Y4VV.

14.00 - 14.35 Mhz continued.

Andrew Johns, G-13944. ssb. CEØMEA, CP1HH, CP5BSV, PJ2CE, PZ1DR, ZD8KO, 3A2SB, 5T5DY.
Julius Komlos, DL-12090. cw. FB8ZA, FR7ZW, FR7AI/E, UA1GZ/M, UA1KAE/1, UA3YH/M all Antarctica.
Peter Kuhfus, DL-13521. cw. FR7AI/E, KL7HIK, TJ1BF, UA1KAE/1, VE3DFM/8, VP2VPI. ssb. HH9DL, VP2MAH, VQ9R/D, XP1AA, 4M5CKR.
Stephen Lowe, G-13503. ssb. KH6BB, KH6CD, KH6GDR, VE3DFM/8, VE8MA, VE8MD, VQ9DW (Chagos), ZS2MI, 5T5BH, 9V1HF.
Arthur Miller, G-5218. ssb. CR5SP, FB8XX, FGØAMC/FS7, HH9DL, K8VWM/KL7, UKØSAA/P (Zone 23), VQ9R/D, ZS2MI.
Vernon Porter, G-7444, Hadley Wood. ssb. DU1ODO, HS1AFB, KA6BV, TZ2AC, UH6AE, 3A2CP, OH2BH/6W.

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21.00 - 21.45 Mhz.

George Briddon, G-3651. ssb. KG4EQ, VQ9HCS.
Bill Cook GW-11741. ssb. EL2CF, JA3JOR, JA4JWP, TZ2AC, UAØAN, YA1DJ, 6W8DY.
Colin Dean, G-13636. ssb. DU1PT, HH9DL, HI8LC, HP1KC, HR3AC, HS4AHX, JY6GT, PY7ZAH/Ø, TI2KF, TU2AA, TY3ABF, TYØABD, TZ2AC, VP2VAP, XE1CI, YB1AI, ZD3D, ZD8TS, 5T5DY, 6Y5DL, 7X2HS.
Eskil Eriksson, SM-5852. ssb. CT2BG, DU1GJM, FL8NA, HS4AHX, PZ2AH, VP2MAH, VS6CY, ZD3Y, ZD8TS, 9M2DQ, 5U7AX.
John Fitzgerald, G-11570. ssb. CT3AR, HI8LC, MP4MBB, MP4MBC, VS9MB, XT2AC, YB1BW, 5U7AX.
Roger Hunter, GW-13993. ssb. CE3RC, EL2DT, JA3UDI, HI8LC, HK6DLZ, TG9EG, VK4FH, VQ9HCS, 6Y5DL.
Andrew Johns, G-13944. ssb. EL9C, KV4CI, TU3ABF, TZ1DR, XE2MAJ, YA1DX, 5T5WS, 5X5BV.
Julius Komlos, DL-12090. cw. K8CRM/KG, TZ2AC, ZF1PL, ZF1SB, ZF1VD,
Peter Kuhfus, DL-13521. cw. FR7AI/E, IZ1ZO/AM, ZF1SB. ssb. CR8AG, TZ2AC, 5T5AD, 6Y5DL.
Stephen Lowe, G-13503. ssb. EA9EJ, K7LTV (Montana), K7OXB (Utah), PYØAPD, UAØAN, VP2VAV (Tortola), XE1CX, YA1DX, ZD8TS, 3V8BB.
Arthur Miller, G-5218. ssb. EA9EJ, TGØAA.
Vernon Porter, G-7444. ssb. MP4MBC, TZ2AC, VQ9R, VS6CY, YD1KW, ZD8RR, 3V8BB 9K2AR.

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28.00 - 29.70 Mhz.

George Briddon, G-3651. ssb. K1 and W's (Not strictly DX, George)
Bill Cook, GW-11671. ssb. UL7RW, VK5WD, VP2LX, ZE4JW, ZS5DS, 8R1G, 9C9WB.
Colin Dean, G-13636. SSB. HH9DL, TZ2AC, XT2AF, 5N2ESH.

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28.00 - 29.70 Mhz continued.

Eskil Eriksson, SM-5852. ssb. A2CCY, IG9BAF, PJ1AA, UJ8JJJ, UKØSAA/P, ZD3X.
John Fitzgerald, G-11570. ssb. ZC4HC, 9J2DT, 9M2DQ.
Roger Hunter, GW-13993. ssb. CX7AL, ET3USA, ZE6JS, ZS5GH, 7Q7RM, 9J2WR.
Peter Kuhfus, DL-13521. cw. PJ2VD, PJ9JT, ssb. KS4KZ, 5R8AP.
Stephen Lowe, G-13503. ssb. RL7GBX, TZ2AC, UH8AE, UI8LAF, UL7DW, UL7QB, UM8MAW VK6CF, VK6HS, ZD9GG, 4W1AF, 5R8BF.
Arthur Miller, G-5218. ssb. A2CCY, HS4AGZ, MP4TEE, OA4AGR, RO5OBO, VS6FB, ZD9GG, ZF1EP, 3B8CV.
Vernon Porter, G-7444. ssb. CR4BS.

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Equipment Review.

George Briddon, G-3651. AR88D. Mosley. K.W. Multi band.
Bill Cook, GW-11741. Trio JR 599. Inverted L 65' x 30' N/S
Colin Dean, G-13636. Eddystone 940 & Trio JR310. 100' lw @ 35'
Eskil Eriksson, SM-5852. Drake R-4A. Hy-Gain 18AVQ.
John Fitzgerald, G-11570. Trio 9R59DS + PM11 Preselector. 40m Doublet.
Roger Hunter, GW-13993. FR-50B. 80m dipole @ 35'.
Andrew Johns, G-13944. S640. Long Wire.
Julius Komlos, DL-12090. No details given.
Peter Kuhfus, DL-13521. Sommerkamp FR-100B. Hy-Gain 12AVQ.
Stephen Lowe, G-13503. Airmec C864. Long wire.
Arthur Miller, G-5218. S640. 60' lw @ 20' ; 30' Indoor wire for LF.
Terry Mullan, G-14203. 19 Set Mk 3. 75 ' lw.
Vernon Porter, G-7444. No details supplied.
Dennis J. Raven, G-13656. Trio 9R59DS. 72' Inverted L.
John Warren, W5-6161. SX100. 3.8 Mhz. Inverted Vee, NNW/SSE.

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One or two comments concerning reporters letters. Thanks for good wishes from several members. Roger,at the beginning of the year we usually publish callsigns of memebrs so if you check back you can probably answer your own query. Glad to hear that you are getting a converter for your receiver. I hope that I have guessed right about the report from South Devon but on the other hand could it be Simon Green ? I have assumed Stephen Lowe but apologise if not ! Terry wishes to know whether anyone else has a 19 Set Mk. 3. Welcome to the section, OM. Vernon reports that although he did not do much listening what was on 15m was good. Hope you are better again. Dennis mentions the possibility that KØIIJ/8Z4 may be a pirate. Nobody else questions this but perhaps Stew will have something about this. Your comment about report forms will be passed on to the Secretary. Next month Keith Baker will be in charge so reports to him please, or to the Secretary by the 1st of the month.

73s.....

Ron.

AMATEUR BANDS DX NEWS SECTION.

Compiled by Stewart Foster, ISWL/G-10173.

Reports next time please to General Editor by February 1 or to me by Feb. 5 at my QTH: 24 Dunston Road, Metheringham, Lincoln LN4 3ED, England.

As we start this first DX News Section of the New Year, it is the start of my 9th year as Editor of this Section, and, if my calculations are correct, this is my 95th DX News Section ! I wonder if there's an award for writing 100 of them, hi! ? My thanks to all those who have supported this Section over the years, and let's hope we have your support for many years to come. Now let's take a look at the month's DX News.

DX ROUND-UP. All times are G.M.T. Times marked ** = heard in U.S.A.

Europe.

CT2.. Azores. CT2AZ heard on 21353 SSB at 1910; CT2BG heard on 21251 SSB at 1048.

EA6BG Balearic Is. Heard on 3792 SSB at 2136.

HV3SJ Vatican City. Heard on 14040 CW at 0755; and on 28030 CW at 1115.

JX... Jan Mayen Is. JX3EX heard on 14338 SSB at 1655; JX6VO heard on 3795 SSB at 1728, on 7077 SSB at 2254, on 14315 SSB at 1823, and on 21300 SSB at 1020.

M1.. San Marino. M1B heard on 21375 SSB at 1600 Saturdays & Sundays; and M1I heard on 3798 SSB at 2344, and on 14230 SSB at 1530.

OHØNJ Aland Is. Heard on 3786 SSB at 1959.

OY... Faeroe Is. OY1M heard on 14183 SSB at 0818; OY8VN heard on 14237 SSB at 1338.

ZB2.. Gibraltar. ZB2A heard on 28556 SSB at 1028; ZB2CM heard on 3799 SSB at 2028.

3A2EE Monaco. Heard on 3794 SSB at 2110.

Asia.

A4FA Sultanate of Oman. Heard on 14170 SSB at 1445, and on 21354 SSB at 1300; MP4MBC (Not yet with new callsign) heard at 1400 on 21224 SSB.

HS... Thailand. HS4AGN heard on 28044 CW at 0938; HS4AGZ heard on 14250 SSB at 1832, and on 28634 SSB at 0900.

JT1KAA Mongolia. Heard on 14075 CW at 0930.

JY6UMM Jordan. Heard on 21261 SSB at 1057.

RL7PBA Kazakh. Heard on 28028 CW at 0820.

RM8MBB Kirghiz. Heard on 28074 CW at 0900.

UH8AE Turkoman. Heard on 21265 SSB at 1135.

UJ8JJJ Tadzhik. Heard on 28600 SSB at 0958.

VU2FBZ Andaman Is. Heard on 14085 CW at 1231, and on 14088 CW at 1236. Hopes to be QRV on SSB very soon.

XU1AA Khmer Republic. Heard on 14195 SSB at 1512.

YA... Afghanistan. YA1DT heard on 3795 SSB at 2210; YA1DX heard on 28546 SSB at 0752; YAØCDRC heard on 3795 SSB at 2356, on 14295 SSB at 1352, on 21307 SSB at 0711.

4W1.. Yemen. 4W1AE. heard on 14175 SSB at 2000; 4W1AF heard on 14260 SSB at 1525, on 21100 SSB Sundays 0900, on 28050 CW at 1010, on 28560 SSB at 1102; 4W1BC heard on 14156 SSB at 1558, on 14246 SSB at 1355, on 21300 SSB at 1215, on 28600 SSB at 1325.

Africa.

A2... Botswana. A2CAO heard on 14300 SSB at 1734; A2CCY heard on 21254 SSB at 1630; A2CEW heard on 21350 SSB at 1852, and on 28648 SSB at 1041; A2CJP heard on 14183 SSB at 1752.

CR3AB Portuguese Guinea. Heard on 14203 SSB at 2215.

CR5AJ Sao Tome. Heard on 21060 CW daily 1130-1200 and 1700-2100 and 2117**

EA9EJ Spanish Sahara. Heard on 14118 SSB at 1930, on 14180 SSB at 0736, on 14218 SSB at 2146, on 21240 SSB at 1354, on 21252 SSB at 1845, on 21324 SSB at 1520, and on 28574 SSB at 1800.

ET3USE Ethiopia. Heard on 28575 SSB at 1520.

FB8XX Kergueien Is. Heard on 14113 SSB at 1550.

FB8ZA Amsterdam & St. Paul Is. Heard on 3790/3795 SSB at 1840, on 14114 SSB at 1535, on 14115 SSB at 1720, and on 14120 SSB at 1525.

FL8.. T.F.A.I. FL8AG heard on 14033 CW at 1626, and on 14068 CW at 1835; FL8NA heard on 21227 SSB at 0725, and on 21255 SSB at 1113; FL8OM heard on 14282 SSB at 2000, on 21280 SSB at 1930, on 28606 SSB 1350.

FR7AI/E Mozambique Channel Is. Heard on 14036 CW at 1530, on 14105 SSB at 1730, on 14121 SSB at 1621, on 14122 SSB at 1727.

ST2SA Sudan. Heard on 21293 SSB at 2005.

SU1.. Egypt. SU1IM Heard on 14020 CW at 1935; SU1MA heard on 14207 SSB at 1435, and on 14242 SSB at 1823.

TL8LI Central African Republic. Heard on 14013 CW at 2300, on 14115 SSB at 2000, on 14213 SSB at 1600, on 21325 SSB at 1830.

TN8BK Congo-Brazzaville. Heard on 14165 SSB at 2130.

TR8VE Gabon Republic. Heard on 21310 SSB at 2012.

TT8AC Tchad Republic. Heard on 21250 SSB at 0920, on 28540 SSB at 1430.

TU2.. Ivory Coast Republic. TU2AX heard on 14179 SSB at 0620; TU2BB heard on 14209 SSB at 2250; TU2DQ heard on 14035 CW at 0945.

VQ9.. Chagos. VQ9DW heard on 14310 SSB at 1505, on 21230 SSB at 1510, on 21300 SSB at 0925; WA1RDH/VQ9 heard on 14230 SSB at 1430, on 21295 SSB at 0924 & 1550, and on 21315 SSB at 0908 & 1204.

VQ9HCS Aldabra. Heard on 14160 SSB at 1853, on 14310 SSB at 1344, on 14318 SSB at 1300, on 21280 SSB at 1410, on 21294 SSB at 1025, on 21295 SSB at 1630, and on 21370 SSB at 1739 & 2015.

XT2AG Upper Volta Republic. Heard on 14156 SSB at 1557, and on 14216 SSB at 2234.

ZS2MI Prince Edward & Marion Is. Heard on 14173 SSB at 1700-1730.

3B8AW Mauritius. Heard on 21325 SSB at 1305.

5R8.. Malagasy Republic. 5R8AP. heard on 28509 SSB at 1350; 5R8BF heard on 28577 SSB at 1151; 5R8CO heard on 14135 SSB at 1830; and 5R8CS heard on 14120 SSB at 1737.

5T5.. Mauretania. 5T5CJ heard on 14005 CW at 2130, on 21012 CW at 1455, on 28012 CW at 1410; 5T5DY heard on 21290 SSB at 0920; 5T5FP heard on 7004 CW at 0014.

5VZYH Togo Republic. Heard on 21225 SSB at 2117, and on 28497 SSB at 1630.

5X5NK Uganda. Heard on 7090 SSB at 1857, on 14170 SSB at 1858, and on 14185 SSB at 1420.

9L1.. Sierra Leone. 9L1GC heard on 14007 CW at 2214; 9L1VW heard on 14034 CW at 2234, on 21230 SSB at 1830, and on 21305 SSB at 1230.

Antarctica.

VP8.. South Georgia VP8MR & VP8MX heard on 14127 SSB at 2020.

VP8.. British Antarctica. VP8MJ heard on 14273 SSB at 0426; VP8MS heard on 14230 SSB at 0914.

N. America

HH9DL	Haiti. Heard on 3795 SSB at 0745; on 14192 SSB at 1842-2208, and on 14193 SSB at 1639.
VP1BH	British Honduras. Heard on 21227 SSB at 1341.
VP2DAJ	Dominica. Heard on 14103 SSB at 1010.
VP2MAH	Montserrat. Heard on 14013 CW at 1902, and on 14181 SSB at 2222.
VP2SBH	St. Vincent. Heard on 21210 SSB at 1410.
XP*AA	Greenland. Heard on 14133 SSB at 1737.
ZF1..	Cayman Is. ZF1GC heard on 14180 SSB at 1950; ZF1WB heard on 21127 SSB at 1230.

S. America.

FY7AE	French Guiana. Heard on 28550 SSB at 1443.
PZ...	Surinam. PZ2AB heard on 14250 SSB at 1855; PZ2AH heard on 21206 SSB at 1143.
8R1W	Guyana. Heard on 21308 SSB at 1647.

Oceania

A35FX	Tonga. Heard on 14258 SSB at 0734.
CR8AG	Portuguese Timor. Heard on 21241 SSB at 1146.
FK8..	New Caledonia. FK8BH heard on 14109 SSB at 0820; FK8KAA heard on 14022 CW at 0755.
KC6SK	Western Caroline Is. Heard on 14195 SSB at 0630, and on 14228 SSB at 1453.
KX6..	Marshall Is. KX6BB heard on 14045 CW at 0905; KX6BU heard on 14290 SSB at 1125.
VR1AA	Gilbert/Ellice/Ocean Is. Heard on 14027 CW at 0628, and on 14222 SSB at 0610.
VR1PA	British Phoenix Is. Heard on 14290 SSB at 0720.
VR4..	Solomon Is. VR4AA heard on 14050 CW at 0600-0730 & 1135, and on 14052 CW at 0855; VR4CC heard on 14240 SSB at 0553.
VS5RL	Brunei. Heard on 14287 SSB at 1330.
YJ8..	New Hebrides. YJ8EE heard on 14182 SSB at 0607, and on 14262 SSB at 0552; YJ8CH heard on 14180 SSB at 0800.
ZK1MA	Cook Is. North (Manihiki) Heard on 14075 CW at 0450.
ZK2BD	Niue. Heard on 14222 SSB at 0612.
3D2CM	Fiji. Heard on 14268 SSB at 0802.

NEW PREFIXES.

DX4Ø	Philippines. The station DX4ØPAR was an exhibition station commemorating the 40th anniversary of the Philippines Amateur Radio Club.
UK3Ø	European Russia. Station UK3ØSB was QRV Nov. 19 to Feb. 2 all bands, to commemorate the 30th anniversary of the Battle of Stalingrad (now Volgograd).

In the past few months we have had only a few members write in with news of their activities, with the result that the 'Members News' part of this section has been rather small; so may I take this opportunity of asking you all to make an extra effort in the New Year and to write in with news of your activities.

QSL MANAGERS.

A2CCY	via	K4CDZ	MP4MBC	via	G3XEC	ZF1GS	via	W4BRB
A2CEW	via	VE4SW	MP4MBP	via	G3LQP	ZF1RL	via	K9RJP
A4FA	via	G3LQP	OX5AA	via	W4TYZ	ZK1MA	via	W6KNH
CT2AZ	via	WØJHY	YJ1BF	via	WA4WGT	ZNØWH	via	PY2WH
CT2BG	via	WA2BCK	TL8LI	via	F6BFH	ZZØWH	via	PY2WH
DX4ØPAR	via	DU1EJ	TU2BB	via	WB4SPG	3AØGH	via	F5ZY
ET3GK	via	W2BCU	TU2DQ	via	WB4SPG	3AØGK	via	F8OM
ET3JH	via	WB8ICV	TYØABD	via	DJ6QT	4M4AGP	via	W6OAT
ET3USE	via	WA4AGT	TZ2AC	via	DJ6QT	4M4UA	via	W6CUF
FB8ZA	via	F6BFA	VK7GK	via	DL8NU	4W1AE	via	G3PQA
GW6GW	via	GW4BLE	VP1MU	via	W5WMU	4W1AF	via	DJ9ZB
HI8LC	via	W2KF	VP2AZA	via	G4AMD	4W1BC	via	G3SUW
HS3AET	via	WØYZB	VP2DI	via	VE3MJ	5R8AP	via	K4DEN
HS3AFB	via	WA2WMT	VP2EW	via	K5JZN	5R8BF	via	F6AZN
HS4AGN	via	W5LUJ	VP2MAH	via	W4GSM	5R8CO	via	F6AZN
HS4AGY	via	WA4PUC	VP2MQ	via	KV4AM	5R8CS	via	F6AZN
HS4AHV	via	W6NYG	VP2VAR	via	WA4WTG	5U7AX	via	DJ9KR
HS4AHX	via	K4VOX	VP2VAV	via	K4CDZ	5V4AH	via	DL1HH
JX6VO	via	LA1RQ	VQ9DJ	via	W4DJ	5V8WS	via	DJ6QT
JY7FB	via	EP2FB	VQ9DW	via	G4BFZ	5X5NK	via	DJ3JV
JY7YL	via	EP2YL	VQ9RK	via	W9VNG	7X2HS	via	W2KF
JY9FOC	via	G2IO	VQ9SX	via	DJ9SX	9L1ITU	via	G3DYY
JY9VO	via	WA6OPJ	VR3AC	via	K3RLY	9L1VW	via	K9QZI
KS4KZ	via	WA8TDY	VR4AA	via	ZL4NH	PSØWH	via	PY2WH
KT4OF	via	W4DQP	W6MTE/HR6	via	K3RLY			
M1B	via	WA3HUP	XT2AG	via	F6AJO			
M1I	via	IØBNZ	ZB2CN	via	DK1PG			
			ZD8TS	via	G3WDV			

QTH SECTION

A2CAO	P.O. Box 108, Orapa, Botswana, Africa.
A2CCY	Bob Furzer, P.O. Box 298, Francistown, Botswana, Africa.
A2CJP	P. Johnson, P.O. Box 52, Gaberones, Botswana, Africa.
EA6BG	Apto. 34, Palma de Mallorca, Islas Baleares, Spain.
EA9EJ	Apto. 172, El Aaiun, Spanish Sahara, Africa.
FL8AG	B.P. 215, Djibouti, T.F.A.I.
FL8MA	B.P. 268 Djibouti, T.F.A.I.
FL8OM	B.P. 574, Djibouti, T.F.A.I.
FP8FU	B.P. 248, St. Pierre. Iles St. Pierre & Miquelon, North America.
GW4BLE	S.Cole, 87 Thornbury Park, Rogerstone, Newport NP1 9DR, Wales.
HS4AGZ	P.O. Box 125, A.P.O. San Francisco, Calif. 96386, U.S.A.
HS5AFJ	c/o U.S. Embassy, A.P.O. San Francisco, Calif. 96272, U.S.A.
JY6UHA	P.O. Box 13016, Amman, Jordan.
JY6UMM, JY6UMS, and JY6UNM - all QSL to P.O. Box 13016, Amman, Jordan.	
LU1ZR	Moreno Reynaldo, 341 Villa Atuel, Mendoza, Argentina, S. America.
LU2LV	Apto. 176 Corrientas, Argentina, S. America,
OY1M	P.O. Box 12, Torshavn, Faeroe Islands.
PY7ZAH/Ø	C.P. 91, recife, Brazil, S. America.
VK9FS	Br. A. Freitas, P.O. Box 49, Kavieng, New Guinea Territory.
VP2LX	P.O. Box 638, Castries, St. Lucia, Wesr Indies.
VP2SQ	P.O. Box 671, St. Vincent, West Indies.
VP2ST	P.O. Box 93, Kingstown, St. Vincent, West Indies.

VP8MS	P.O. Box 137, Port Stanley, Falkland Islands, S. America
VQ9DC	P.O. Box 188, Mahe, Seychelles, Indian Ocean.
VQ9MC	P.O. Box 193, Mahe, Seychelles, Indian Ocean.
VQ9MI	P.O. Box 188, Mahe, Seychelles, Indian Ocean.
VQ9NLB	P.O. Box 234, Mahe, Seychelles, Indian Ocean.
VQ9R/D	Carl J. Reder, P.O. Box 193, Mahe, Seychelles, Indian Ocean.
VR4CC	Harry Cannon, P.O. Box 1, Honiara, Solomon Is., Pacific Ocean.
WA1RDH/VQ9	ATCU-4, F.P.O. New York, N.Y. 09530, U.S.A.
WB4KGF/KL7	A.C. Anderson, USCG Loran Station, FP.O. Seattle, WA 98798, USA.
XT2AG	B.P. 98, Ouagadougou, Upper Volta Republic, Africa.
YJ8FE	Jacques Sapir, c/o Radio Station, Santo, New Hebrides, Pacific.
ZF1SB	R.L. Sefton, P.O. Box 800, Grand Cayman, Cayman Is., West Indies.
ZF1WB	P.O. Box 701, Grand Cayman, Cayman Is., West Indies.
3V8BB	Jim Sorenson, 106 Eyre Court, St. Johns Wood, London N.W.8, England.
5T5CJ	B.P. 202, Nouakchott, Mauretania Republic, Africa.

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MEMBERS' NEWS

Julius Komlos, DL-12090 now has much less time for listening since he entered the University of Karlsruhe last October, where he is studying electrical engineering. In the CW section of the CQ Contest, Julius lisened mostly on 7 MHz, where JA's were coming in from 1000 until 2300 GMT ! Other good DX heard on this band included FB8XX and KG6JAR. The QSLs are coming in well, with cards from KB6DA, VR1W, ZK1MA, and SM2AGD/CEØ.

Peter Kuhfus DL-13521 turned his attention to 80 metres last month, and on that band, logged very good DX on both CW and SSB, including OHØ, YA, 4Z4, and 6W8. Best QSLs of the month came from HH9DL, VP1BH, and WB2ACQ/TJ1, and the best DX of the month on the HF bands was TZ2, VQ9/D and HH. Peter has already changed all his records to the ITU Zone system, and in spite of the work involved he does think it the better system.

Jorma Turunen OH-11635 has now sold his SB-301, and has bought an SB-102 transceiver and should soon have his general class licence and his call-sign OH2BFY ! Jorma has had veryy little time for listening, but did hear two new countries, VP2S and 6Y5. QSLs were received from three new countries, A2, FB8XX, and KG6SW.

Eskil Eriksson SM-5852 writes in for the first time since August, since when he has been to the Olympic Games in Munich, and to YU and DL with his Varpa team. Since his return to "routine", he has had the Drake R-4A overhauled, and is back SWLing now as usual. Eskil has heard 211 countries in 1972, and has completed HAZ. Now, in the depth of winter, he is turning his attention to 40 and 80 metres.

John Warren W5-6161 listened a lot during the CQ Contest, and heard two new ones on 3.8 mhz - namely Kure Is. and Minami Torishima - and on 7 MHz. he heard 5 new ones - CEØ, CR7, YB, 5V, and KA1. His new RX is the SB303, which he is now half-way through assembling. At the time that he wrote, John was about to go off to Paris on a business trip - but was not expecting to get a chance for any listening while in Europe.

Vernon Porter G-7444 was confined to bed for much of November, and so the SWLing activities suffered. However, he still managed to log such DX as KA6, TZ2, DU, and 6W8 on 20 meters, and TZ2, VQ9, ZD8, 3V8 and 5B4 on 15 meters. Vernon was still missing 2 C.Q. Zones for 1972 when he last wrote, the elusive one, and also Z.34 - since neither ST nor SU has been logged by Vernon in 1972.

Bill Cook GW-11741. did not do much listening last month, and when he did, conditions seemed rather poor. He missed FB8 - thanks to the bad manners of a certain, European who insisted on calling incessantly while the FB8 was transmitting ! Bill did manage to hear his first TZ and 4W1 stations last month, to push the countries score up to 200. Most of the month's SWLing was on 10, 15 and 20 meters, and Bill hopes to take a listen on 40 and 80 meters this month.

Stephen Cole GW-13149, GW4BLE, has now worked 144 countries and has already received quite a few good QSLs, and is now receiving SWL reports too ! He hopes to put up a 3 element beam in the New Year when the WX is O.L., with an Inverted 'V' for 80 and 40 meters.

Nick Hingley G-13817 lives about 700ft. above sea level, and is always having trouble with antennas as a reulst of gales. He has already had one mast destroyed in 1972, and another damaged. As a result of this, Nick is now having second thoughts about 80/160m. verticals ! However, he is already getting the earth system sorted out ready for whatever antennae are finally erected. Nick doesn't have a lot of QSLs, but has a few quite rare ones - 6W8 on 80m, HI8 on 80m, C31, HV, and ZB2, to name a few.

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So to the end of another month of DX News, and may I wish to all our members a Very Happy New Year, full of DX and everything you wish ! But for now, best wishes until next time.

73 de STEW

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'G' CALLBOOK Members interested should note that the 1973 edition of the callbook is available from Headquarters. Price 70p. inc. post.

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ADDITION TO AMATEUR LOGS The following log report was received after your General Editor had prepared the respective section and therefore as space was available on this page we are able to include it.

14,00 - 14.35 Mhz

Roger Headland, G-7176, Liverpool. cw. FM7WG, FR7AI/E, OA4AHA, 6Y5SR. ssb. A2CJP, A4FA, FØADY/FC, HH2JT, HH9DL, KC4USP, KS4KZ, PY7ZAH/PYØ, TR8AF. TYØABD, TZ2AC, UA1KAE/6, VP1BH, VP2DND, VP2MAH, VP8HZ, VP8ME, VQ9DW, (Chagos), VQ9MC, YN1AL, ZD3Z, ZD8's, AW, KO, RW, ZP5TA, ZP6BL, ZS2MI, 4W1BC, 5R8's, AE, AV, BD, BF, 5T5DY, 7P8AD, 8R1N, 9L1MF. (Thanks for best wishes, Roger.)

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I.S.W.L. AMATEUR BANDS LISTENERS' CONTEST 1972 - CW & PH - RESULTS.

The league's 1972 Amateur Bands Listeners' Contest was held on Saturday 7th October (CW Section), and Saturday 4th November (Phone Section)

The number of contestants taking part in the two contests was seven, which is a slight improvement on the last two years contests in which only five entered.

Conditions for the CW portion of the contest were quite good, but for the phone section conditions were under average, in spite of using SSB or AM.

The results of the contest now follow.

CW SECTION

Member	League No	RX	3.5	7	14	21	Ttl	QTH
		EUROPE						
1. P.Kuhfus	DL-13521	S/Kamp FR-100B	53	156	285	321	815	Wiesbaden.
2. A,Mercer	G-13377	R.C.A. AR 88LF	63	105	272	338	778	Wigan
3. D.J.Beale	G-10618	Trio JR 500 SE	15	82	164	247	508	Cambridge
4 W.Simon	DL -10101	Drake R-4A	43	41	112	13	209	Eschborn

PHONE SECTION

Member	League No	RX	3.5	7	14	21	Ttl	QTH
		EUROPE.						
1. R.Hunter	GW-13993	Yaesu FR 50B	70	81	196	215	562	Carmarthen
2. M.J.Loach	G-13964	R 209	24	24	48	10	106	Abingdon
3. E.Ahlgreen	OH-13682	Trio JR 310	11	6	16	—	33	Pietarsaari

Congratulations are extended to the two winners of the two contests, namely Peter Kuhfus (CW, Europe), and Roger Hunter (Phone, Europe), to whom certificates of merit have been posted.

Comments from the four participants of the CW section all agreed that the 3.5 Mc/s band was on the poor side, whereas 28 Mc/s contained a wealth of stations, so in next years's contest this will be changed to include 28 Mc/s in place of 3.5 Mc/s. Two of the three participants in the Phone Section also asked for the 28 mc/s band to be included in next year's contest in place of 3.5 mc/s.

To all who have given support to the league contests over the past year I say, "Many thanks", and hope you will continue to give this section your support in the coming year.

Our next A.B. Contests will be :-

LF.CW. 13/14th Jan.....LF.PH. 20/21st Jan..... and SSB on 21st/22nd April.
so there it is OM's & YL's, lets have some real good logs for 1973.

Clifford A. Tooke

QSL'S RECEIVED AND TABLES SECTION.

Edited by G11362 Bernard Hughes, 65 Flag Meadow Walk, Worcester, Worcestershire.

John Arrowsmith, G13861. DA1GA,F5HX,G3OIZ,G3VDW,HA5KDQ,ISØBUP,OK1BLC,OK3CAW, PAØBRT, SP5PWK,UA3GG, W1JFG, YU4EGR, YV7AV, ZP5RL.

Erkki Ahlgren, OH13682. CR4BC, CR8AK,EQ2KH,GC2LU,JTØAE,JY9AC,PYØWH,VK2A/A, XV5AC,YA1WC,9L1EP.

Mervyn Bartle G12877. EI9Q,FØAFV/FC,HBØXIX,HS4AGZ,JY6AS,MP4TEE,PZ1BO,VE5UK, VK6HE,WB4DQM,W6EJ,W7FSE,XT2AF,YA1OS,ZD9BM,5T5DY,9J2SS,9Y4T.

Stephen Cole GW13149. EA6BJ,EP2TW,G2MI,GB3BCT,GM4AFG,LZ2KDN,PY1ZAM,SVØWJJ,VB1AA, ZD8RR,WA1EXE,WB2GUQ,WA3EDS,WB4KGQ,WBØDUT.

Michael Cuckoo G13166. DJØMR,JY6FC,LA8RL,MP4TDM,OE7UT,OK1AIR,UT5BB,VK5QO,W3YT, WA3IHW,WB2AQC/9C1, YA2KO, ZL4BC, 4M7AV, 9L1VW.

Eskil Eriksson SM5852. JAØDOK,KA6DO,SM5BRS/6,SXØE/72,WBØFFG/TF,VR2GE,9H1DA,9M2DQ.

Gerhard Elsigan, OE13800 DK5JA,EA4CR,GM4ABO,HB9AQZ,PAØRE,SM3EHQ,SM5FNB,SMØCCE, SP5EXA,UB5GAI,UC2XX,UD6CB,UL7BAC,UP2PAW,UQ2DB,UQ2GBF,VP2LY,W1AW,YO7DL,4M5KL.

John Fitzgerald, G11570. G3QG,G3ZKE,G8COG,G8GNE,GI3JEX,GW8FHW,KH6BB,LU7AAC,LX9LS, VO1FG, VQ9R/D,WA3HGV,XT2AC,3B8AW,3X1P,4S7PB,9J2JY.

Horst van Gelderen, DL12394. DK4LT, DK6SR,F6AXA,HBØAFM,IP1ZUN,I2NI,I7FMT,IØMHT, IØPHE,IS1TDW,IT9SPW,LU3EAN,OE5AZL,OK1FON,ON6VZ,ON8FC,SK7CR,SK9CR,SK9WL,UA900, YN1DS,YO9APJ,5B4AC.

Simon Green G13863. DL6WE,FB8XX,HA5KKC,JMØFUP,K4HAR,WA2BAV/TY,UK2WWW,UWØIQ, VR4EE,W2FPG,W5KHF,WA7SLC,XV5AC,5X5NA,9M2DQ,9M2WM.

Bernard Hughes G11362. DK2XZ,GM3JHI,HM1DK,IMØBJG,MP4TDM,PW3APH,PA9RN,SM6CDB, SM2EKM,SV1FT,UW1AR,UWØIQ,3B8CV,4S7AB,4M7AV,9J2MA.

Roger Hunter GW13993. EI5T, EL8I,G2CVV,G3AG,G3XTV,G4ADD,G4AEH,G6GU,GB2LC,GB2RS, GW3YGH,GW3YTL,GW4BVC,JY9VO,MP4TEE,ZC4DS,5B4AA.

Norman Henbrey G11195. F6BRK,FP8DH,G2AOF,G3DDK,G3TLD,G3XUM,G3YUP,G3ZOV,G4AEH, G4ANT,GM3DZB,GW3LCQ,I1BGJ,SM2AGD/CEØ,SM4EMO,W2CBY,WA2WMR,ZD9BM.

Julius Komlos DL12090. SM2AGD/CEØ,CR5AJ,FB8XX,FR7AI,HBØXHW,JY6FC,JY9GR,KB6DA, KG6JAR,KX6GD,OHØAL,VP7BA,VR1W,XW8EV,ZK1MA,3D2EK,5H3MM,9Q5VM.

Peter Kuhfus DL13521. CR6FA,DJ6QTA,DU1DBT,EA6BJ,EA9EO,EL8K,ET3ZU,FØAHY/FC,HA5YBC HH9DL,I6MAT,K1OOY,LU9WA,OD5LX,OH6MJ,OHØMA,ON4WA,RA9FDF,SMØCXC,SZØCH,UA9BW,UI8AM UK7EAA,UM8NAC,UN1CB,UWØLT,VE7WJ,VP1BH,VU2HLU,W5DL,W's,XX6FL,ZP2CA,ZL3QN,3V8,4S7, 5U7AC.

Arthur Miller G5218. CR4BC,CR6TP,EA9EA,ET3DS,FO8DS,HM1AQ,KL7GRP,KZ5EK,OJØSUF, PZ1CU,VK6HE,YBØAAN,ZP5AQ.

Dan Rolla I1-13745 JW1EE,SV1FT,TF5TP,TI9C,YB1BM,4W1BC,VQ9R/D.

Bill Smith W1-7897. C29ED,FM7WE,KG4FO,KW6EG,SK2AT,WA1QOX/VE8,VU2AAA,ZD3M. 9Q5HP,9X5VA,6IHAZ.

Patrick Travers G13676. DK1IT,DK4PT,GW3VVC,HB9ARD,IØFZR,OH2BFX,RP2PBF,SP2DOI,YO3FH

Jorma Tärunen OH11635. A2CEW,CP1JV,FB8XX,IBØKDB,KG6SW,KX6BU,PY8LJ,SVØWLL,UM8MAA, VK9GO,XT2AF,XX7AC,YV1YD,5B4IS,7X2SX.

Gunter Weber DL13911. EA1IM,EA2CX,EA3VC,EA4ME,F9FE,LA7RB,LA8NC,LZ1RM,OH2BLW,OH8SN OK3EA,PZ1CU,SM2EJE,SP5DZI,UK3ABO,UY8OB,4X4AE,9L1GP.

Bert Lambourne K4NFP,K8HHF,OH6ZQ,PY2DN,UB5APK,UH8KBC,WB2SIY,W2YQN,W3GRS,WA8WGG WA9SFP,WØRFT,9N1Q.

Max Uhlig HB13132. EA9AI,EL2CF,FPØBG,GW5VX,HTØA.IH9JT,KG6SW,OY3H,VE3DFM/VE8, VK9JV,VQ9R/D,WBØHAI,7Q7AA,9H5D. Sorry om but your report came too late for me to include your scores into the tables.

That's the lot for now,sorry was not able to put the All Bands Table in for All Time but did not have enough room.

73's

Bernard G11362.

QSL LADDER

E.Eriksson	SM5852	325	40	J.Komlos	DL12090	236	40
R.Waite	W2-4640	320	40	J.Arpagaus	HB9-8706	218	40
E.Chilvers	G11492	309	40	E.Ahlgren	OH13682	217	40
R.Headland	G7176	309	40	H.Klein	DL12275	209	38
B.Smith	W1-7897	304	40	P.Kuhfus	DL13521	209	40
B.Hughes	G11362	296	40	D.Rolla	I13745	212	38
S.Foster	G10173	290	40	R.Williams	G11051	195	40
S.Stephenson	G5910	287	40	H.V.Gelderen	DL12394	161	37
J.J.Yerganian	ON12801	268	40	H.Kiesinger	DL9324	153	39
E.Luff	VK5-12245	268	40	M.Bartle	G12877	117	33
M.Uhlig	HB13132	264	40	K.Kraus	DL12750	114	31
J.Turunen	OH11635	252	40	M.Cuckoo	G13166	104	28
B.Jansson	SM13135	240	40	G.Weber	DL13911	94	26

COUNTRIES AND ZONES TABLE (1972)

		(1972)		(All Time)	
J.J.Yerganian	ON12861	241	40	241	40
Roger Headland	G7176	240	40	318	40
John Fitzgerald	G11570	231	40	264	40
Max Uhlig	HB13132	229	40	280	40
Bernard Hughes	G11362	227	39	325	40
V.Porter	G7444	226	38	278	40
Erki Ahlgren	OH13682	223	40	262	40
Arthur Miller	G5218	218	39	285	40
Erio Chilvers	G11492	218	39	259	40
Eskil Eriksson	SM5852	211	40	335	40
Simon Green	G13863	208	40	243	40
Roy Waite	W2-4640	201	38	322	40
Bill Smith	W1-7897	191	37	311	40
Heinrioh Klein	DL12275	184	38	238	40
Jorma Turunen	OH11635	176	39	258	40
Gunther Weber	DL13911	176	39	176	39
K.Kraus	DL12750	172	37	172	37
David Churchill	G14000	150	37	150	37
Graham Taylor	G12063	142	38	276	40
Ray Williams	G11151	137	35	297	40

Phone/CW

Peter Kuhfus	DL13521	238	40	255	40
Joe Arpagaus	HB9-8706	179	37	293	40
Martyn Johnson	G13872	125	32	130	32
Steven Lowe	G13503	103	26	103	26

ALL BANDS TABLE (1972)

J.Fitzgerald	G11570	12	112	91	184	191	136	726	Phone
P.Kuhfus	DL13521	6	64	65	201	206	159	701	Phone/CW
E.Ahlgren	OH13682	0	78	90	202	180	143	693	Phone
A.Miller	G5218	1	93	92	181	180	127	674	Phone
B.Hughes	G11362	3	85	80	215	156	127	666	Phone
E.Chilvers	G11492	5	97	62	177	178	107	626	Phone
I.Forse	G13685	5	94	66	172	135	112	584	Phone
D.Churchill	G14000	7	87	40	134	46	21	535	Phone
G.Taylor	G12063	2	18	15	57	120	82	294	Phone
H.Klein	DL12275	0	38	12	116	74	51	291	Phone

TRANSMITTING TOPICS

Geoff Johnson G2BJY heads the list this month with some interesting news of happenings on 160 mtrs, where apart for the opening on 18th Nov,the conditions have not been very good DX wise, but Geoff did HEAR the following, all cw: VE1ASJ,W1AW, W1HGT,K2GNC,W2DQ ? K8AH, WA8IJI and ssb. KV4FZ,W3ZQW, in the period 0045 to 0625 gmt. Stations worked: DJ2BW,8WL,ØMR,ØKF,DK1KH,3BJ,ØMM,DL5XF,EI9BG,GC3DVC,GM3FXM/A, 3PFQ,3TYK,3WDF,3YOR,4ASY,5PJ,HB9NL(ISWL) HBØNL (Lichenstein),OE5KE,OH1VA,OK1AHD, FCW,JSE,KYS,KPU,MAC,ONF,2PEG/A,2PFF,2BOO,2SRX,OL4AQA,OL8CAG,PAØPN, PE2EVO, all cw as usual.

Stephen Cole GW4BLE, has been going to town with the following results, on 80mtr ssb EA6BJ,FØADO/FC,LX1BW(ISWL),OX3EA,TF5TP,VE1,2, es 3, W1-5, 8-9, es XE1IIJ; on 20mtrs ssb, FØADO/FC,PZ1CI,TU2DO,TYØABD,VE7SW,ZD8KO,3B8AW,3B8CI; on 15 mtrs ssb, CN2BF,EL9A,HI8LC,KV4CI,TZ2AC,XT2AC,ZD8TS,ZP5TE,5T5DY, es 7X2MD; on 10 mtrs ssb. A2CCY,A2CEW,CR4BC,CT3AR,CW3AA,HTØA,KV4GV,TG9DX,TG9YN,TI2IO,TZ2AC,VP2LX,VP2MAH, W4GIW/VP7,W7RM,YA1OS, YA1DX, YX5AJ, ZD3X, ZF1EP,ZP5AQ,3B8CZ,5VZYH,5Z4MG,6G1AA es 9C9BQ (quite something on ten Steve).

Bob Gauvreau VE7CE, sends in a very welcome letter after quite a long time, as Bob has had the DX-ing curtailed these past 2 years due to illness (I am quite sure all our members wish you well om), and he has changed his QTH. He is now back on the air using a SB101 barefoot into a TH6DXX beam at 80ft, which brought in 3 new countries in FR7AI/E, TZ2AC es XT2AF, making the all time total of 317/313. Also worked were CT2AC, EA9EJ, FL8DJ, 3B8AW, 4W1BC, es 5VZBG. Bob says he enjoys Monitor very much but it takes a month to reach him these days so contest details are usually too late.

Brian Edwards G3RJB, was pleased to meet the members at Beachley recently, especially Roy Holland whom he had not met before, but was able to assist with the transport of the family right home to Hereford. Brian has the 80mtr dipole up at 15ft and has called onto the net (sri I missed you om but have some Colour TVI again). His list of contracts include : 80 mtrs ssb, GC3YIZ,GD5BBG,HA5CQ, HB9AUO,I2MBE,OK2RZ,YU3DTU; and 80mtrs cw, HBØNL, I1SOP, OE5OEL, OY2H, UA9CM, UO5OAL,UP2PX,UY5XI, 20mtr ssb. PJ1AA, 20 mtrs ow, JH1OTZ,KV4AA,UL7QH; 15 mtrs ssb, IT1EKO, UA9BB,3B8AW; 15 mtrs cw, K5DKK, UD6CN, 4X4ZY; 10 mtrs ssb, CR6OZ, EP2TW, RAØABE (Z 18) VP2MAH, YV1EJ, ZD3X, es 10 mtrs cw, UA9FAJ, 9H1CH es 9L1JT.

Welcome to Barry Crook now G4AZN. He has been concentrating on the WAB net for their Awards, and so far has the basic for 400 Areas in 65 Countries, but will drop in on the 80 mtr ISWL net when he can tear himself away from the WAB chaps. He has worked some 45 Countries on cw, and 54 on ssb, with TVI being a problem on 20 mtrs and 15 mtrs as they still use Channel 1 in the Abingdon area. Barry is using a KW200 with a KW Trap Dipole at 35 ft and a 15mtr dipole at 30ft.

Ray Fansler WA9UET has only been active in the CQ WW Test recently, where most of his contacts took place, but he is now back on 160 mtrs with a 975ft antenna. DHJ on 1839 kHz has been heard daily at 589 but no G signals heard yet although OK1ATP has been pounding in at 589 at 0300 gmt. He managed to have contacts with CO2DL, KZ5ZZ es ZF1GS making the total for 160 up to 23. The rest of the list is as follows: 10mtrs cw, CR7IZ, CW3AA, ET3USE, ZE5JA, 9E3USA, 4X4LI 9E3USA es 9L1JT, 15mtrs cw, CR5EZ,CW9BT,VQ9R,YV5BNR, es ZD3Z; 20mtrs ow JW4EJ, VP2SO. QSL's from CN2AQ,CP1AP,KG6JAR,OE1CJ,UI8AM,XE1KS/2 for 160 mtrs and 9J2WS and his big brother WA9UES, has received one from Goran SM4DHF.

(Continued on page 30)

V.H.F. BANDS.

"This must be just about the shortest report I have ever sent you" - John Woodham. Thst just about sums up the whole of the VHF bands report for the month of November. Weather varied between bright and sunny with the Barometer at 1034mb to string winds and rain with the Barimeter right down to 980mb. Even the regulars seemed to be taking a rest after the lively days in September and October. So without further ado here are the logs for the month.

144 Mhz

R. Banister G4BEE Chorley

G3GUU, PJW, 4BFP, BFU, 8CWQ, EJB, GLS, GPR, GQM, GRI, GUT.
Tx: Echelcom 2. Rx: Mosfet-LT320. Aerial: 8 el @ 25'.

J. Woodham G8BKR Bristol
G3HKK, 4BKG, 6GN, 8BCH, CGP, FCU, FNR, GGK, GMW, GC2FZC, GW3ZTH, 4AHV/P 8GOL, UH.
Tx: QQV03-20a @ 30w. Rx: CN2-HQ170a. Aerial: 10 el @ 40'.

J.Fitzgerald G-11570 Great Missenden.
G3QG, NEV, PGM, SLI, 4BOW/P, 6TA, 8ACQ, QTY, BZA, CQS, DGP, DHA/P, DSL, FMK, GLV, GNE.
Rx: 9R59DS + FET + Pre-amp. Aerial 4 el Yagi @ 14'.

R.Hayman G-9200 Folkestone
G2VB, 3FD, EMU, VJF, 4AJC, AXS/M, 6NB, 8GHH.
Rx: G & D conv - HRO. Aerial: 4/4 @ 25'.

432 Mhz

W. E. Tomlin G8AII Chepstow.

G2WS, 3FYX, 8ADP, AQZ, GW3ATM.

Tx: QQV06/40 @ 50w. Rx: 6AM4-G2DD-HRO. Aerial: 8/8 @ 36'.

Ron Hayman heard one station on 70cms . I heard one on 23cms. Both of us heard a few signals from Oscar 6 on 29Mhz.

Before the next report is due Christmas will have come and gone. Some operators will be taking a rest from the usual festivities so let us hope that logs and news look a lot brighter for our report in February Monitor.

See you again in the new year.

73 Walter.

W. E. Tomlin, 33 Severn Avenue, Tutshill, Chepstow. NP6 7EF.

MEET OUR MEMBERS

G. R. TAYLOR, GW-12907, West Pontnewydd, Cwmbran, Monmouthshire.

I am 39 years old and have been interested in Radio since my schooldays starting off with the legendary crystal set. I intend taking the RAE every year but never get around to taking the plunge. My main interest is in the amateur bands listening wise, I do some construction work (nothing too complicated!) and enjoy improving old receivers. I have just completed renovating a Hallicrafters SX 28 Super Skyrider and this and the Trio JR60 are my station RXs. Other receivers tried have included HRO MX; good, but those coil racks! AR88D was an excellent receiver - sold but regretted. CR70A - no comment. The GR59DS drifted quite a bit on SSB, could never get on with the tuning of this at all, does not live up to the adverts. I also have a Codar PR30X which is as good as advertised, and advance signal generator type C2 a Nombrex Transistor signal generator and various other bits of test equipment. I recently built an A.T.U. and was pleasantly surprised by the results obtained by it. My aerials are a continous source of experiment and at the moment I have a 120 foot longwire 30 foot high, a ground plane cut for 20 and a 2 mtr dipole experimental of course.

The story of the AR88D is an interesting one and was quite a lesson for me. A young lad had been told of my interest in Radio and had contacted me to ask questions and try out some of my gear. I was visited several times by the lad and has father and the AR88D interested them a great deal. I had bought it 3 years before and was tempted by a change but did not really want to part with it. Anyhow I finally let it go at a ridicoulously low price to them. They were both delighted with the RX and I thought it would start them off. About 6 weeks later I received a letter from an old age pensioner in Newport saying he had bought the RX in a second hand shop and my name and address had been on an envelope containing spare valves(GW-12907 was also on there by the way). He was requesting information on the receiver and had paid 7 times what I let it go for!! There must be a lesson here somewhere !

Philip Tarry, G-14196, Matlock, Derbyshire.

I'm 21 years of age and I am a police constable in Buxton. I first took up the idea of being a SWL in 1967 whilst at school, I was in the sea cadets and formed the radio department. During this time I sat for a test CW transmission. I remember that the RX was a most peculiar thing, easily pre-war. After I left school I carried on listening for a while, then I let the hobby slip. In 1969 I joined Trinity House as a lighthouse keeper where I had to sit a radio exam, the morse speed was a fantastic 4 wpm, (by lamp). I then started off listening again.

At the end of 1971 we moved to Matlock, where the house is perched on the side of a hill, about 700' asl. I now had a Trio 9R59DE RX and had a 70' lw running down the garden, which was recently carried away in a storm! As an emergency I found a 15' piece of 3 core wire, cutting back 2 wires and putting the third into the RX, I stuck the rest on the top of my wardrobe. I found this worked better than the long wire. I hope to move soon to Buxton but the area is radio-dead on UHF and even VHF sometimes. What chance have I got ? Buxton is in the middle of a saucer shaped valley with hills of 1300' feet all round !

THE BROADCAST BANDS

THE LOG SECTION

Editor: Robert F. Bruce, 32 Union Street, Brechin, Angus, Scotland.

Deadline: All reports to be in by the 5th of the month

THE SHORT WAVE LOG - OVERSEAS REPORTS

Freq Khz	Station & Programme Details	Time GMT	SINPO	Rptr.
3300	R.Belize,British Honduras. pop songs & ID's English	0430	55555	RF
4765	R.TV Congolaise. news & comment. ID in French	2200	55555	RF
4785	R.Bomako,Mali. mx and anns	2200	44444	RF
4850	Radio Mauritania. Arabic type chants	2210	45444	RF
4972	Yaounde, Cameroon. music	2210	55555	RF
5038	Bangui, Central African Republic. talk in French	2220	34444	RF
9690	LRA32 Argentina. English service	0300	55555	RF
11690	R.Yerevan, Armenia. Eng ID. nx to 0328- s/off	0322	34443	RF
11825	R.Tahiti. Island mx. //15170	0300	44444	RF
15335	Voice of Free Korea. VOFK Seoul, S.Korea. Eng nx.0300	0330	45444	RF
17720	BED39 Tiawan. Nx and ID in Eng. ID at 0220	0200	45444	RF

EUROPEAN REPORTS

566	R.T.E. Irish music	2038	44522	AW
710	WOR New York, nx. talks & features	0045	24322	SLo
755	R.Portugal. DX programme 2300-55555-CH	2315	55454	AW
930	CJON Newfoundland. pops. hrd as early as 2250.	2330	44433	SLo
998	BBC Radio Solent. 1140-AW	1035	55455	PTR
1010	WINS New York. Stock report. 44444-0007-SLo	0130	33333	SG
1050	WHN New York. Sport question time.	0100	33333	SG
1130	WNEW. New York. records & adds	0025	54444	SG
1187	R.Caroline. pop mx & jingles. no anns 1320-SLo	1755	33433	JG
1250	Libya. (1. M.Watt) Arabic chants. hrd under Lopik	1610	32542	SLo
1367	R.N.I. pop music. 1535-NHi. also hrd at	2135	54344	TJ
1457	BBC Radio London. under Birmingham @ 1705-21541-NHi	2250	55555	AW
1466	Trans World Radio	1700	43533	NHi
1520	WKBW Buffalo. records & adds	0130	33333	SG
3200	Peoples Liberation Army (PLA) Fukien //3400. 3900	1545	44444	SLo
3205	AIR Lucknow, Indian mx, not //3295 at 1655	1655	34433	SLo
3220	Radio Peking. Home Sc 1. Chinese talks	2247	33322	AS
3240	R.Baghdad. Time signal. Arabic talk	2300	32432	AS
3295	AIR Delhi. Indian songs & anns	1650	32432	SLo
3330	Peshawar, Pakistan. local mx	1550	32332	SLo
3350	Ejura. Ghana. English news	2245	33422	AS
3365	AIR Delhi //3905 English talk	1545	33443	SLo
3366	Accra,Ghana. English ID & s/off	2303	33422	AS
3871.5	R.Pakistan. Eng ID by YL at 2130-FAB. s/off 2130	2115	43333	JS
3884	Radio Clube de Cape Verde. mx at 2200. Adverts	2130	43333	JS
3905	AIR Delhi. Indian mx 1538 into Eng at 1545-SLo. also heard between 2245 - 2340 in Eng.-JS, RC, FAB, SG &	2335	43333	JWB
3915	BBC Tebrau s/on to Asia 2230-AS,JS. Chinese dialect	2250	23332	FAB
3925	AIR. News & Weather in Eng. into Hindi at 1545.	1540	34433	SLo

3939	Radio Pakistan. News in English. 1610-AS	1609	33333	RC
3940	R.Peking. Chinese mx 2215-AS,JS	2308	33333	FAB
3960	R.Baghdad. Arabic chants 1544-SLo	1845	43343	RC
3960	R.Free Europe //3970. pops & Eng anns	0120	55555	SLo
3980	RSA Johannesbourg. nx in English at	0040	23332	FAB
3999	Grønlands Radio. OM in Greenlandic: s/off 0150-FAB	0110	22342	SLo
4110	Urumchi. Sinkiang. in USSR Dialect	2330	33443	FAB
4220	Urumchi. Choral songs in USSR Dialect	2332	33443	FAB
4500	VNG Lyndhurst. time pips	1945	32442	SG
4744M	Unid. talk in French under het. Lubumbashi. missing from 4750	2150	22332	FAB
4756.5M	ZYF23 R.Diff do Maranhao. LA songs and ID	0250	33333	FAB
4761M	YVPP R.Frontera. talk in Sp. ID through QRM	2315	32332	FAB
4763M	RRI Medan. Arabic type chants. OM ID in Indonesian	2330	33333	FAB
4765	HJDY R.Catatumbo. political speech in Spanish	0255	33333	FAB
4770	YVQE R.Bolivar. talk in Spanish after ID	0146	33333	FAB
4775	HJKW La Voz de Maria. LA songs and ID	0230	33333	FAB
4795	Onda Musical LA music	0347	34443	AFS
4800	UNID.YL singing in Chinese. ann in Chinese dialect (Shanghai has been reported here) Ed.	2005	22332	FAB
4805	ZYS8 R.Dif do Amazonas. LA songs and Mx	0223	23332	FAB
4810	HCRF4 R.Canal Manabita. clear ID at	2400	33333	FAB
4827M	HJHC R.Narino. LA mx.ID as "R.Narino, Bogata" at	0332	33333	FAB
4832	R.Capital, Costa Rica. 0010-SG: 0044-SLo. and at	0340	33433	AFS
4832.5M	Shenyang, Liaoning OM & YL in Chinese dialect	2228	23332	FAB
4860	R.Moscow. news at 0303-AFS. mx and ID at	2000	34343	AC
4860	AIR Delhi. prog in English. local mx, ID s/off at	2230	33333	FAB
4865	Lan Chou. OM in Chinese under hetro	2250	22332	FAB
4865	R.Peking. talk in Chinese	1613	33443	SLo
4865	HJLZ La Voz del Cinaruco. LA mx and ID at	0345	33333	FAB
4875	Africaans Sc.SABC. talk in Vernac	1718	34423	SLo
4875	La Cruz del Sur, Bolivia. light classsical mx. ID	0231	34333	FAB
4880	R Universo. LA music at	0340	24432	AFS
4905	Emisor Atlantico. LA music at	0342	24532	AFS
4907	Phnom-Penh. Western songs in Far East lang	1538	33433	SLo
4920	VUM Madras. Indian type mx 2323-SG. also at	0046	35444	SLo
4945	Springbok Radio. Play in English at	1715	43423	SLo
4945	R.Colosal. LA music at	0243	33543	AFS
4965	Radio Santa Fe. LA songs and music at	0250	34333	AFS
4970	Radio Rumbos. LA songs. 0417-AFS. also heard at	2318	43333	SG
4985	R.Malaysia. English songs at	1532	33333	SLo
4990	R Barquisimeto 0235-AFS: 2335-SLo. SG	2330	33333	JA
5000	R.Nepal. news in English at 1400. QRM for MSF	1400	-2442	RB
5010	R.Singapore. light jazz mx. Chinese So. Test freq	1555	32432	SLo
5010	R.Garoua. African drums and chants	2216	34343	FAB
5030	R.Continente. talk in Sp 0303-FAB	0310	34433	AFS
5038	Bangui Central African Rep. African mx-1950-AFS	2010	33443	AC
5040	Burma. BBS Rangoon. English service news at 1445. clear ID hrd at 1530. Severe QRM Tbilisi on same freq.	1530	-2442	RB
5047	Lome, Togo, African mx	1930	34443	AFS
5930	R.Prague. Eng at 1900-AW. 1630-KE. Port-0010-AW	1625	43333	DK
5975	Radio Canada. News at	0730	44554	NH
5980	R.Budapest. Weekend Magazine-2130-KE. News in E	0145	44444	JWB
5995	R Warsaw, Poland. Request concert	2250	34333	CH
6010	ORTF Paris. French Service	2102	55555	CG

6025	Radio Portugal. talk -2100; CG CH. 2050-DK, KE. news	0200	35333	RC
6035	Warsaw Poland. English 1600- AW CH	1600	33333	KT
6040	Deutsche Welle. nx in German	1606	55555	NHi
6055	Prague. 0950-PT. Eng 1530-1630. AW NHi CG CH	0945	44444	KE
6065	R.Sweden. Sat Show 1600-1630. NHi NH CG DK JA PT	2113	53434	AW
6070	Sofia, Bulgaria. 1930-2000 & 2130-2200: AW KE JA CG	2200	34443	KT
6080	Radio Berlin International. Youth Programme	2040	54454	KE
6100	R Belgrade. Talk at 1830-JWB news at 2000-NH	2000	44433	CH
6110	R Budapest. s/off in English at	2000	33433	NH
6130	R.N.E. Spain. Spanish music 1940-PT	2010	44444	JWB
6130	R Norway. English (SUN) 1800-CH. KE. also at	1215	44444	CH
6155	Austrian Radio. Eng @ 0900-JWB. 1830-KE, CH, JA. also @	0200	35333	RC
6165	R Canada International. ID and s/off at	2155	53434	NH
6175	ORTF Paris. French anns & pops	0935	44433	RS
6205	R.N.I. pop mx. hrd between 0900-1853; KE, NHi, PT, CG	0900	54555	HA
6225	World Music Radio. pops	1210	34443	CG
6250	R.Santa Isabel. African mx. Splatter from "U"Beacon-	1843	42432	SLo
6280	Sinkiang, Urumchi. YL in Chinese Dialect	2346	23332	FAB
6345	R.Peking. Home Sc 2. Chinese	2217	23332	FAB
6580	Pyongyang. N.Korea. English 1900-RJ. JWB. CH. French	2103	44443	SLo
6590	Radio Peking. News at	2030	44333	AC
7065	R.Tirana. Commentary-1630-NHi 2215-AW. Eng news	2330	54444	PT
7120	R.Kiev // 5920; English to Europe	1930	54444	JG
7125	Polish Radio Warsaw. 1830-1900-AW. 1600-1630. NHi. NH	1610	54554	JA
7130	Deutsche Welle. ID and s/off at	1550	44444	AC
7145	R Australia. News 1615-JA. Music-1620. RC. pops	1710	22322	PT
7155	TENT: VOA Okinawa. OM & YL in Asian Dialect	1527	22322	FAB
7160	R.Vilnius; English 2230-2300	2240	54444	RS
7195	R Bucharest. Romania. music	2025	34343	AFS
7210	Trans World Radio. Religious Prog in Eng	1610	53444	JG
7215	All India Radio. English 1925-AFS. mx and ID at	1900	54454	AC
7235	R Australia //7145 hrd between 1600-1700; AC JG RC	1605	43333	JWB
7255	VOA Okinawa. Chinese mx	1200	34422	AS
7260	Trans World Radio, Monaco. Religious Programme	1025	55455	RJ
7275	R.Nederland. 1020-RC. RJ NH "Happy Station" Sun	0930	55434	KE
7275	Rome RAI. nx in English at 1935-AFS	1940	44444	KE
7345	R Prague. English 1545-JWB 1630-1700: NHi AW HA RC	1915	45454	NH
7685	R Espana Ind. Spanish talks	2137	43434	AS
9009	Israel. between 2045-2110//9625: SLo, AC KE RC	2110	34343	PT
9030	R Peking. Play !! in English	2115	44444	HA
9460	R Pakistan. English News at	2000	33333	CG
9475	Cairo Radio. Egyptian mx	0205	44444	RC
9505	HISD RTV Dominicana. guitar mx. ID at	2230	34443	FAB
9505	Radio Prague Opera mx 0930-KE. French Programme	1130	45323	RC
9510	Lakeland Radio, PO Box 31211, Blantyre, Malawi. three IDs in Eng at 2000 also at 2030 "Back to the Bible"	2000	24552	SLo
9515	Ankara Turkey. National Anthem 2155-AS. mx. Eng	2215	44444	CH
9525	AIR. hrd many times between 1900-2205. English	2120	43433	NH
9535	SBC Switzerland. English @ 1100-AC. 1315-JWB, KE, RC also in English at 1530-PT	1555	45555	NH

9545	R.Ghana. Hrd in Eng between 2015-2205	2150	44434	Mny
9550	Lebanon. pop music and ID at	0234	33222	RC
9550	Finland. English programme 1800-1830. AS AW	1803	54444	JA
9560	R.Jordan, Amman. Eng nx 1700-RB magazine prog	1720	43433	AS
9570	R.Australia. 0800-NH, RC, KE. also hrd at	1230	34443	AC
9570	Qatar. Bc. Sc. Arabic s/off at	1930	32442	AS
9575	Tema, Ghana. African drums and choral chants	2012	44444	FAB
9585	ZYR56 R.Excelsior. commentary in Portuguese	0057	23332	FAB
9610	Vatican Radio. ID and s/off in English at	0105	45444	RC
9610	R Canada International. Fr & Eng 2045-AC. SW Club	2120	44544	AFS
9615	WNYW R.New York. Eng/Spanish pop mx	0115	55444	AW
9615	Deutsche Welle. ID and talk at	0500	45444	AFS
9620	R.Belgrade. news in English at	2200	23332	KT
9625	Israel Bc Sc. Eng hrd 2050-2100: CH JG TJ AFS JWB	2050	43444	HA
9630	Radio Sweden. Swedish 1000-RC Engl230; KE, JWB	1234	55555	CG
9645	ZYV40 R.Culture de Pocos. ID at	2100	33333	FAB
9650	Radio Moscow. news in English at	2130	53444	TJ
9650	Conakry. African mx and songs	2250	33443	FAB
9650	Radio Kuwait. Arabic talk //11940	1920	32442	AS
9655	R.Damascus. English at 2045-JG. FAB. pops at	2150	44443	AS
9670	Jeddah, Saudi Arabia. Arabic mx & chants	2237	43443	AS
9680	VLH9 Melbourne. ABC news at 1200. s/off at 1300	1200	34333	RB
9680	R Australia. nx and Id at 1700	1700	33323	RC
9695	R.Rio Mar. talk in Portuguese ID-echo effect at	2315	34443	FAB
9700	R Sofia. Eng 1930-2000: RJ: 2130-2200. AW, TJ	0000	45444	JG
9710	RAI Italy. English 1935-AW	1940	43444	JG
9735	Trans World Radio. Rel talk in English at	1620	55444	AW
9735	Radio Japan. ID. news in English 2200 & 2300.	2300	Poor	RC
9745	R Baghdad. English nx 1945-JG AS CG. Eng s/off	2020	33433	BM
	s/on in German at 2020-AW. German s/off at	2105	34443	KT
9745	ZYR67 R.Cultura. 'Futebol'	2105	23332	FAB
9745	HCJB Quito. Eng religious programme 0935-CG	1020	44344	KE
9760	VOA Philippines till 1600-JA. Munich at	1940	55555	RS
9805	Cairo Radio, English 2145-2200. AC TJ KE	2150	45433	NH
9833	R.Budapest. Italian 1300-AW. Eng 1930-KE and	2130	45454	NH
11620	AIR Delhi. programme about schools	1905	33333	CG
11705	R Leningrad s/on and ID	0800	55555	SG
11710	RAE Argentina. English nx 2300-23331 KT	2315	45434	PT
11720	WINB Red Lion. "Morning Glory"	1802	45453	KE
11725	Trans World Radio, Bonaire. 2115-AC SLo	2120	55545	PT
11730	R Nederland Madagascar. Eng s/off at	1820	22532	JA
11745	HCJB Quito. ID in Eng. talk in Spanish at	2130	34433	BM
11755	Finland. pops at 1400: letter Box	1800	43333	KE
11765	R Australia. 0645-0915. RC KE FAB JWB AFS	0725	44454	HA
11770	BBC Ascension Is. IS and local ID. World Service	1645	54544	SLo
11775	RNE Spain IS & ID-1955 AC. Spanish ID and s/off	2130	44444	AS
11775	SBC Switzerland. SW Merry-Go-Round	0900	45444	KE
11800	RNE. Canary Is. IS & ID Spanish s/on	1956	44544	SLo
11805	Radio Globo. endless talk in Portuguese	2135	33333	FAB
11815	TWR Bonaire. Eng s/on 0030-BM 0045-PT. Eng s/off	0130	45433	RC
11835	4VEH Haiti. 2036-PTR. ID & Missionary prog	2300	22332	BM
11835	R.Omdurman. Arabic ID and talk at	1830	45434	AS
11855	ETLF Radio Voice of the Gospel, Ethiopia. talk in			
	English s/off at 2014	2004	43333	RS
11855	Saudi Arabia. ID and talk at	1745	43543	AFS

11860	RAdio Canada. ID. IS s/on 1830: Eng-KE RC	1830	44444	BM
11865	R.Clube Pernambuco. Sports Commentary 2005-AFS	2135	35222	RC
11865	SBC Switzerland. Eng talk 2120-KT. News	1535	45454	AC
11875	TENT. R.Dif Nacional, Nicaragua. LA mx and anns in Spanish but no ID heard	0120	15522	SLo
11880	R Splendid, Argentina. Spanish ID at	2300	33422	AS
11880	VOICE of Turkey. Eng at 2200-2230. RC BM	2200	23232	PT
11880	ETLF Ethiopia. Window on Africa	1950	44433	JG
11885	WNYW NEW YORK. Music from NY. 2000-BM	2230	44444	RS
11900	Radio RSA, S.Africa. 1640 Eng-HA. Portuguese 1955-AW English 2215-2315. AFS, KE KT	2225	33333	NH
11905	United Nations Radio	2035	33433	RS
11920	Radio Buchazrest, Romania. to Asia	1500	33333	CH
11920	RNE "The Voice of Spain" English Sc	0100	55544	AW
11930	R.Grenada, Windward Islands. pop mx & requests	2103	33333	CG
11935	R.Portugal. s/off in French at 1815-RC. News at	1900	34343	KE
11940	Radio Kuwait Arabic talk // 9650	1922	43433	AS
11955	FEBA Far East Broadcasting ASS. Seychelles. Is and s/on 1655-CG RC. English 1730-1800. BM AFS HA	1800	33333	KT
11965	R.Record. Brazil. sports commentary in Portuguese	2025	33433	AFS
15000	WWV Fort Collins. time pips. anns every minute	2047	21122	RS
15060	Radio Peking. Music from China	0956	44434	RS
15080	AIR Bombay. ID and news in English at	1800	23332	FAB
15084	Radio Iran. Iranian mx	0935	33343	KT
15095	ELWA Liberia. Arabic talk at	1700	35333	AS
15105	R.Rural. Brasileira, Brazil. mx. frequent ID's	2021	22322	RS
15120	Voice of Nigeria. News in English 0730-RJ	1557	33333	CG
15120	Vatican RADIO. Religious nx at	1505	44444	CG
15130	WNYW New York. Music for NY-1830-KT	2105	45444	AFS
15130	VOA Monrovia, Liberia. Eng to Mid East & Africa	0800	44444	FAB
15140	R Havana, Cuba. Eng 2030-AC, AFS. 2130-RS. s/off	2137	25432	AS
15145	R Jornal do Comercio, Br. ID and mx	1830	34433	AS
15170	ELWA Liberia. French 2000-FAB. AC. Arabic-2200. AW	2215	35333	AS
15175	RSA. 1832-German-KT. English 1900-AC. NH. AW	1945	33433	FAB
15195	Turkey. music at	2010	33242	CH
15220	R Nederland, Madagascar. French Sc. ID's etc	1827	33533	SLo
15240	Radio Peking. English language programme	1215	33433	JG
15300	HCJB Quito. Eng hrd between 1845-2002 PT JA SLo	1915	35443	AC
15305	SBC Switzerland. ID and News at 0900-RC	0905	54454	KE
15345	R.Kuwait. English programme & pop mx. 1640-AW	1650	44454	NH
15375	R Nederland, Bonaire. English s/on 1830-SLo. RS	1915	34433	KT
15375	Paris International. Paris Calling Africa. Eng	1115	44444	JWB
15410	Austrian Radio. Musical trip	0915	44444	AC
15410	United Nations Radio. Eng at 1730-KT. also at	1830	55555	HA
15430	American Forces R.TV Sc. Sports nx 1400-HA	1410	55444	KE
15445	R.Nacional Brasilia. nx 2115-PT. Station ID at	1953	23332	CG
15510	R Peking. English language programme	1220	24442	JG
17605	R Peking. OM in Chinese	0731	24432	FAB
17710	Radio Japan. News (New frequency?) Ed.	0800	23432	AFS
17720	WINB Red Lion. Religious programme 2000-AC	2015	35433	AFS
17735	R.Habana, Cuba. s/on in Spanish, French & Arabic	1658	33433	AS
17750	Radio Kuwait. nx in Arabic at	1500	55433	AW
17755	HCJB Quito//15300 and announces 11845. Good sig.	2014	55555	SLo
17775	United Nations Radio. English and French	1800	55455	AC
17795	Austrian Radio. Report from Austria	0900	44454	RC

17810	R.Nederland, Bonaire. s/on and ID at	2000	45333	RC
17815	R Havana, Cuba. music programme at	2015	24432	KT
17820	R Canada. French at 0730-FAB. English 1220-JWB, KE also at 1830-25322-RC	1830	35433	AFS
17825	Radio Japan. news	0800	44544	AFS
17845	WNYW New York. Station ID @ 1800-RC. rel prog	1815	55544	AFS
17855	NHK Tokyo. ID and news in English at	0800	45444	KE
17920	United Arab Rep. Arabic mx -1030 RC. English	1340	44444	CH
17935	R Bangladesh. English from 1230-1300. FAB, CG	1235	43343	RJ
21460	ORU Belgium. ID in French at	1015	32432	RC
21460	HCJB Quito. "Our Daily Bread"	1240	34443	AC
21485	Vatican Radio. English at 1010-RC. also at	1150	34353	AC
21485	R Australia. heard with s/off at	0759	45323	RC
21500	AFRTS. Sports programme	1620	33333	CH
21520	Radio RSA to Australia. DX Corner	1030	35444	AC
21525	WNYW New York. popular Orchestra mx	1855	44444	RJ
21535	Radio RSA. English 1335-RJ 1445-AC	1610	34232	CH
21540	R.Berlin International. news	1200	35343	AC
21545	Radio Ghana. English news at	1500	44444	AC
21560	Deutsche Welle. ID s/on and News at	0920	35323	RC
21560	RAI Italy. station Id.	1800	35222	RC
21595	R Canada. ID & IS at 1450-RC	1515	55555	JA
21685	Radio Pakistan. native mx	1140	35444	AC
21685	Radio Kuwait. Arabic mx	0828	55454	FAB
21730	Radio Pakistan. dance mx. English anns. s/off	1430	34443	FAB
25790	Radio RSA. Eng 1130-AC. 1310-PT. 1430-JA. and	1445	44444	JWB

CREDITS :

AC - Arthur Croft: Braun T1000 CD.
AS - Andrew Sennitt: HRO
AFS - A.F.Schubert: R4B. 680X.
AW - Alan Withers: 9R59DS
BM - Bryan Morrison: Koyo KTR-1770
CG - Chris Gibbs; 9R59DS
CH - C.J.Hall: Heath SW717
DK - Dick King: Domestic RX
FAB - Frank Baldwin: R-4B:
HA - H.A.Enoch: Murphy A72
JA - John Arrowsmith: GR-78
JWB - J. Blackett: 9R59DS
JG - James Gordon: R147E type 88
JS - J.M.Simpson: 9R59DS
KE - Ken Estlick: 9R59DS
KT - Karl Thompson: 3 transistor TRF
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RB - Robert Bruce: 830/7
RF - Ray Fansler, USA: HQ-180
RJ - Robert Jackson: EC-10
RS - Richard Skeliding: Mohican RX
SG - Simon Green: Airmec C864
SLo - Stephen Lowe: R.206
TJ - Terry Johnson: GR-78

To our new reporters Bryan,Alan,Karl,Philip,Dick & H.A.Enoch a special welcome. I look forward to hearing from you again, in 1973.

It helps if reports are sent in on BC Band report forms. These are available from me for the price of s.a.e. or postage stamp to cover mailing costs.

Till next month,

Best 73s. BOB

BROADCAST BANDS NEWS BROADCAST BANDS NEWS

Editor: Desmond Colling, 58A Fulham Park Gardens, LONDON SW6 4LB, England.

Deadline: The 5th of the month

I'd like to wish all members a Happy New Year. If every League member who is interested in the broadcast bands resolved to send at least two contributions during the coming year, not only would I be swamped with good material but I would have a lot of ammunition to prove that the BC contingent is not the tiny minority which some believe it to be. Not long ago an influential staff member remarked that he thought there were about 30 interested BC members altogether. We now have more than that number of regular reporters, and since active members usually comprise about 2% of interested readers, the actual BC membership must be considerable. How about making a show of it ? It could do us some good.

POSTBAG

ALAN WITHERS of Eastleigh, Hants says "As I'm a new member, I'm writing a line or two about myself and my equipment for your Postbag. I am 19 years old and have been DXing for approx 18 months, I have heard 86 stations from 54 countries and have roughly 150 QSL cards, with 8 pennants. The receiver I use is a TRIO 9R-59DS with indoor inverted-L antenna. I would like to raise the question of why reception dates are omitted from the BC Log Sections, as I think they are good indications of how 'old' a contribution is."

You've uncovered the skeleton in our cupboard.,Because we have commercial printers the magazine takes slightly longer to appear than some others (although much less time than any bookstall magazine), so dates have never been included. Bob Bruce will probably give the matter some thought when he reads your letter. DC

NICK HINGLEY writes from Halesowen,Worcs. "I'm having antenna problems. 123ft of wire erected a month or two back but I think there is a break in it as it is not behaving at all well. I am watching this interesting situation in the North Sea and have more information regarding Radio Caroline (my all time favourite station) Mi Amigo is anchored off Scheveningen, near the Mebo II. in mid November a storm occured and the mast collapsed. They are without a mast at present, but a new one is to be erected shortly."

Thanks, Nick. There is more info in "Newstime" too. RNI lost two aerial mast stays in the storm too, but it stayed upright. An RNI DJ did report the loss of the Caroline mast, but tests have been heard frequently since then, so they're loading up on something. DC.

NAJ HOBBS of Reading writes "As far as I am concerned local radio should be confined to FM to give local, interference free coverage, and not on MW where the coverage is far from local and reception poor after dark. Perhaps commercial radio will publicise FM. Also FM reception with a portable set is still far from perfect in many areas, and not all areas have local radio (my area for instance, although London, Oxford and Solent are received all the time, the 'local' interest is not there). Glad you have negotiated more space in 'Monitor'."

I wish all Fm stations were stereo - it would encourage me to listen more regularly, and would make the FM band a more interesting listening area altogether. DC.

POSTBAG continued

LEN DULFER of Thessaloniki, Greece says "After finding an old Grundig radio in our apartment here I became interested in SWL. I work in Yugoslavia and live in Greece and find since my family and I speak neither Greek nor Serbo Croat we turn to SW for news and entertainment. BBC of course forms 90% of our daily radio diet. After getting interested in SW broadcasts I quickly formed an opinion about the various stations. To the novice listener the most helpful station is R.Nederland. Their co-operation,encouragement and helpfulness seems to be never ending. Closely following is Austria. As far as QSLing is concerned my policy is the following: I lisyen to a station for at least an hour and write a personal letter instead of a printed report. As a result I have been swamped by QSLs and even received personal letters from very attractive female announcers (Radio Cairo). When I receive a QSL I tune in again regularly to keep up the correspondence. Very pleasant stations are (in my opinion). Nederland,BBC,Austria,France,DW,Poland,Romania,Hungary. Outside Europe,Egypt,Japan,RSA,Israel and WNYW. Other that have QSLd were Italy, SBC,Norway,Peking,N.Vietnam,Cuba,Kuwait,Vatican,Canada,Iran,Finland,Sweden,WINB etc. The most attractive QSL card was from R.Portugal - I had it framed., Among the duds and laggards I count Belgrade,Tirana,Ankara,Sofia,Pakistan and India, and VOA. I received one pennant (RAI Italy) and was promised one (BBC World Radio Club) which never arrived."

Good to hear from you Len. Your views on the stations are interesting, and I'd be interested in other members' experiences, including which they consider to be the most attractive QSL. It's funny, but stations seem to reply differently to listeners in various countries, depending on political or other considerations. From this country I certainly would not list France, WNYW or Egypt as helpful, whereas Sofia, Belgrade,VOA and India have always been quite friendly towards my reports. DC.

HANS E. DUMREESE of W,Germany writes "I want to tell you about my rig here. I have a Satellit 210 for LW,MW and the whole Shortwave range with special scales for the broadcast bands from 49 to 11m. Then I've a Yaesu FR50 for amateur radio. I work with the 1.44m telescopic antenna of the Satellit and a 30m outdoor longwire. A tape recorder is used to identify hard to hear stations."

Nice to hear from you. A tape recorder certainly does help with IDs, as you say DC

SIMON GREEN of Brixham mentions some old QSLs "I have in my possession some old QSLs of my Father's. I wondered if they have any value besides interest. They are :- MYCY, Hsinking Central Broadcasting station, Manchuria 20kW. XGOY, The Voice of China (came through Japanese lines). VLQ7, ABC Sydney. CHNX Maritime Broadcasting Co., Halifax N.S. WGEO General Electric Co,Schenectady NY. COCQ Havana Cuba. VONH, Broadcasting Co of Newfoundland. All dated 1940-41".

Very interesting. The sale or transfer of QSL cards is of course much frowned on, but with historic cards there can be no objection. I don't know of any value attached to QSLs, but the obvious thing would be to advertise them in a collector's or a radio magazine and see if you get any offers. Alternatively you could try to get them published somewhere - very lucrative as I found with my own cards last year. DC

Finally, ALF STANTON of Birmingham wants info or help "I have been trying for quite a time to find a tape recording of interval signals, since there was mention of these in the SBC programme some time ago. As I use a Walter 101 2 track recorder I would find this very useful for stations received. Can you tell me where these are obtainable? Have been a SWL for many years since early 1920, before BBC, quite an old timer. Your 'postbag" I always read with great interest. // I only know of the old World Publications tape, no longer sold. If anyone can help,or dup a tape for Alf, write to 27 Hartopp Rd., Alum Rock,Birmingham B8 1TE, or to me. DC

HEARD AND VERIFIED TABLE,

With the New Year we are changing over to the ITU Zone system, so I'd like any members who can, to alter their zone scores accordingly. I regret to say that a tidy minded someone has disposed of last month's updated table,which puts me in a spot. If you find that your score has not been brought right up to date in this issue, perhaps you could send me a card with your latest score? I think there is also one chap who asked to be added to the table and has not been : can you also tell me your present score? Sorry.

1. David Richardson	129	143	35	—	18. John Mayer	44	52	22	32
2. Fredrick Norgrenn	119	---	57	—	19. Richard Coyle	43	69	20	26
3. Rudiger Hackel	114	127	33	35	20. Simon Miles	43	57	15	18
4. James Young	113	138	36	38	21. D.R.Lowde	40	51	19	22
5. Gian C. Buzio	105	140	31	34	22. Stephen Lamb	37	53	14	18
6. Gordon Darling	102	148	31	34	23. Ian Billings	36	56	15	20
7. Geoffrey Gilham	102	114	30	33	24. Paul Joyce	36	—	17	17
8. Stephen Lowe	97	140	31	32	25. Roy Cooper	35	53	14	21
9. Hans Dumrese	96	118	33	33	26. Richard Skelding	35	52	17	22
10. Robert Bruce	71	106	19	28	27. Geoffrey Bean	34	51	16	20
11. Christopher Gibbs	71	84	24	28	28. Mike Goscombe	31	61	16	21
12. Hans Kiesinger	71	76	26	28.	29. Philip Nichols	31	62	20	25
13. Steve Wainwright	56	72	22	26	30. David Noakes	30	44	16	21
14. Patrick Travers	55	60	—	—	31. Christopher Hall	27	35	12	15
15. John Robertson	53	57	18	18	32. Robert Howitt	25	--	13	—
16. John Arrowsmith	48	70	19	24.	33. Roy Barker	25	28	11	15
17. Ronald Long	46	80	22	32	34. Stephen Fletcher	11	29	6	13

FAR EAST BROADCASTING ASSOCIATION, SEYCHELLES

Combined articles of Geoffrey P.Bean and John R. Arrowsmith.

FEBA is in,international station on the island of Mahe in the Indian Ocean and broadcasting each day to the Indian sub-continent,Africa and the middle east. Construction of the station started in 1967 and test broadcasts began in October 1969 using a Collins 3kW transmitter. In May 1970 after the expenditure of £130,000 regular programmes went on the air using a modified 30kW Press Wireless 8-B transmitter. The aerials are "Lazy H" types, and the station was officially opened by the Governor of the Seychelles, H.E. Sir Bruce Greatbatch on July 6th 1970.

The studio is at Sans Souci from which the programmes are relayed by VHF link or by land line to the transmitter site at Anse Etoile, about two and a half miles north of the Capital, Victoria. The station broadcasts religious programmes in English and also vernacular languages which are usually recorded in the target area countries.

Studio equipment includes Ampex tape recorders, QRK turntables,Neve Mixing console, Collins cartridge players and AKG and RCA microphones. Plans have been made for aerials of more advanced design and higher powered transmitters so that the broadcasts can reach more of the Arab speaking world and southern Africa.

QSL cards are offered to those who send in reception reports but only one such card can be sent for each frequency report which can be verified. The evening transmission to the Middle East at 1730 on 11955 is often received with a good signal if the channel is clear. Reports, preferably with an IRC enclosed, should be sent to FEBA, Box 234, Victoria, Mahe, Seychelles, Indian Ocean.

QSL CARD CORNER

ALBANIA	Tirana	A/C/A/2½m	RRC
AUSTRALIA	R.Aust	A/C/S/87d	KE/CG/PT
BRAZIL	Aperecida	A/C/A/71d	HD
BULGARIA	Sofia	A/C/A/2½m	RRC/KE
CANADA	CHU	S/C/A/6w	RS
CAPE VERDE	Barlavento	A/C/S/2m	SG
CUBA	Habana	S/C/A/3m	RS
ECU	Voice of Viet	A/C/A/53d	KE
ECUADOR	HCJB	A/C/A/24d	KE/HD
EGYPT	Cairo	S/C/S/1½m	JA
FRANCE	Paris	S/C/A/5m	RS
GERMANY W	SDR	A/C/A/2w	CG
	Europe No. 1	A/C/A/2w	CG
GHANA	R.Ghana	A/CL/A/4m	CG
HOLLAND	Happy stn	S/C/S/10d	KE
HUNGARY	Budapest	A/C/A/3w	CG
INT WAT	RNI	A/C/A/2½w	PT
I-o-MAN	Manx R.	S/C/S/8d	SG
JAPAN	NHK	A/C/A/12d	GB
KOREA s	KBS	A/C/A/2m	CG
LIBERIA	VOA	A/C/A/4w	CG
MAURITANIA	R.Maurit	A/C/S/228d	HD
MEXICO	XERMX	A/L/A/6m	CG
MOROCCO	VOA	A/C/A/4w	CG
MOZAMBIQUE	R.Clube	A/CL/A/4m	CG
NORWAY	R.Norway	S/C/S/10d	GB
PHILIPPINES	VOA	A/C/S/2m	JA
PORTUGAL	R.Port	S/C/A/10d	KE
ROMANIA	Bucharest	A/C/A/2½m	RRC/KE
SEYCHELLES	FEBA	A/C/S/75d	GB
TAIWAN	VOFC	A/C/A/3m	CG
USA	VOA	A/L/A/4m	RRC
USSR	Moscow	S/C/A/3w	RS/SG/KE/RRC
	R.Kiev	A/C/S31m	SG/KE/RRC
	R.Baku	A/C/A/3m	SG
	R.Yerevan	A/C/S/3m	SG
VIETNAM	VOV	S/C/S/3m	GB/RS
VIETNAM	R.Liberation	S/L/S/249d	HD

AUSTRALIA - R.Australia is issuing to listeners a record of the Jacko ID call. PT
BRAZIL - R.Nacional de Brasilia sent colour postcard with full details, but frequency 5khz out. Also 2 postcards of Brasilia,large pennant,info on Brazil. SL
BULGARIA - Sofia has viewcards of the city, a set of six. Each needs 2 reports, sent within 2 weeks for the successive cards in the series. NH
CANADA - RCI card shows the new 'Maison de Radio Canada' in blue & pink. NH
They sent no QSL, but a record of " Canada" to RRC
CAPE VERDE - Radio Barlavento's card gave no details on card. Taped report. SG
CANARY IS - RNE 15365. Antenna QSL with "Centro Emisor del Atlantica,RNE-SANTA CRUZ de Tenerife, Isles Canarias" by air from Madrid. Report sent to Madrid. SL
CHINA - Radio Peking sent a badge, The Little Book, postcard thanking me for the report, and 10 view cards in a folder. RRC
Peking put the name of sender,metre band and date on back of QSL for KE
CZECHOSLOVAKIA - R.Prague sent QSL cards for monthly reports Apr-Sept in 2 letters KE
ECUADOR - HCJB will only print two sched a year in future,inMarch,Sept, plus supplementary sheets in May,Nov. KE Ken's card took 24 days and he sent 3 IRCs
HD got a card without sending any coupons, but it took 167 days. Both came by air HD
EGYPT - Cairo sent QSL,sched and picture. post card in 1½m JA
HAITI - Radio 4VEH now has a green pen. PT
HOLLAND - Nederland has 2 special QSLs for their 25th anniversary and one for their Madagascar relay. Reporters can also ask for a pennant,badge,stickers,photos of DJS fan club info,poster,Dutch-by-Radio record and book, aerial data and schedule.They also have "DX Courses" with 4 lessons at a time, then an 8 question test before the next set of lessons. SF Special 25 year card is silver. Received by SL/JA/NH
MOROCCO - Re trouble with RTV Morocco, I got a card in 1969 for a report in French but it had no details, only "tnx for rpt". Design incorporated a map of Morocco, compass rose,radially spreading "radio waves" and an example of local architecture. Also sent sched and 5 moroccan travel brochures of tourist areas. SG
SWEDEN - sent "Northern Lights" card. "Saturday Show" poster (completely mad) and U.N. certificate for monitoring during UN Environment conference in June. SL
USA - WCBS 880 MW sent antenna card, no details but freq. Says no recent reports from England. SL

QSL CORNER continued

USSR - Peace and Progress sent blue,white,red,black QSL with 5 view cards,and 3 cards of the USSR Republics-plenty of colour. RRC R.Baku had full verie details in Eng and postcard for taped report.Returned IRC with card by registered mail.SG Yerevan gave full details and postcard.Report in Fre,German and Eng. SG
VIETNAM VOVN 15018 (not via Cuba) sent letter,sched,newspaper,3 mint Viet stamps by surface mail in 3 month. Should have put stamps on envelopes and sent by air!SL

Finally HD lists the following,which have never QSLd for him,and wants to know if anyone else has success, and if so,how. R.Nac Nicaragua. RTV Morocco,R.Encernacion, Paraguay. R.Nepal. R.Cambodia,R.Tanzania,R.Garoua,Cameroon,R.Comercial,Dominica. R.Corporacion,Chile.VTVN Saigon. Libyan R & TV. R.Dubai. Bahrain BC Station

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NEWSTIME

BRAZIL R.Nacional Brasilia in a letter says it plans to install 11 250kW tx by the end of 1973 to become the most powerful LA station. Reports much wanted JG RB
BURMA 5040 heard from 1515 past 1540. Clear ID 1530.Progs and anns in Eng.USSR QRM/
CUBA Habana now using 17735 to Med in Sp,Arabic, Sp s/on 1657 with full ID in all langs,then French 1700. Eng still hrd on 15140 at 2010-2140. AS
INT WATERS R.Caroline requests reports to P.O.Box 2448, The Hague,Holland. AS/SL/JG Spangles Muldoon is with them,heard testing many times on 1187. Signal in most areas as strong as RNI. Mike Ross on RNI said Nov 26th that the Mi Amigo's aerial mast came down in a storm. SL/PT RNI World Sce is on every Sunday 6205Kc. Reports to P.O. Box 113,CH 8047,Zurich,Switzerland. On 0700-1900 PT/JG The 10 day suspension of RNI Eng sce was caused by the Dutch programme company, Basart which said it didn't pay its way. Owner Bollier reversed the decision,and Eng progs are now controlled from Zurich. They are trying to attract advertising for them. AS/JG Plans for an all day Eng sce have been scrapped, says RNI London Rep, Rob Eden,and there will be no more tests on 1562 says the Dutch office. AS/PT On Nov 19th, RNI almost lost its MW mast when two stays broke. It was on low power and reduced sched for repairs, but is now 92kW says Mike Ross. AS Heard December 5th announcing possible early closedown, as calm seas meant it might be possible for a man to climb the mast to repair stays. Further damage, or were the Nov 19th repairs just temporary ? DC
IRAQ Baghdad heard on 11785 at unlisted time of 1230. A pattern of 7 (not 6 !) pips then ID and News in Arabic. Still on 9745 to Europe as listed. AS
JAPAN NHK Eng to Europe 0800 on 17825,17710 and 2030 on 9735, 7225. Both transmissions approx 30 mins. 7225, 9735 both useless. JG
KOREA N. Eng sched from R.Pyongyang : 1800-1900, 1900-2000 on 6580, 9515. 0800-0900 on 6580, 15150. 1200-1300 and 1300-1400 on 9515, 15150, JG AS
LIBERIA ELWA noted on new freq of 15095 in Arabic 1615-1715. Still 15175 2100-2300/
SUDAN Omdurman Arabic ID hrd 1830 on 11835. S/off noted 2200. Probably Home SceAS
USSR Radio Kiev Eng to Europe at 1930-200 on 7120,5920. At 2200 on 1240 MW. JG

Another very pleasing turnout of members this month. Thank You - ACS-Alf Stanton. AS - Andrew Sennitt. AW - Alan Withers. CH - Chris Gibbs. DC - Des Colling . GB - Geoffrey P.Bean. HD -Hans Dumrese.JA-John Arrowsmith. JG-James Gordon. KE-Ken Estlick LD - Len Dulfre, NH-Naj Hobbs. NHi-Nick Hingley. PT-Patrick Travers. RB-Robert Bruce. RBa- Roy Barker. RRC-Roy R.Cooper. RS-Richard Skelding. SF - Stephen Fletcher. SG - Simon Green. SL- Stephen Lowe.

I'm hoping to fix something on this station ID matter (see Nov. '72) and other BC matters this month, and will print details as they become known.

73 DESMOND

TRANSMITTING TOPICS (Continued from page 16)

Mike Hewitt G4AYO reports the best heard not worked in the CQ WW Test as KC6SK (Yap Isl), and 3D6AX, but the QSO's included all cw; 20mtrs, JD1YAA, JF1EZH, KL7BVY, OY5PA, SQ5Z(OP SP5WL), SV1GA(QSL DJ6TL), SV1IM(PAROS ISL), TZ2AC, UAØKAN(Tchukotka) UAØUR, VK2BQQ/LH, WA4QVX(via W4VPD), ZL1UJ/2, ZM2AEH, ZM3JC; on 15mtrs cw, CW3AA, CW8BT, ET3USE, HMØB, HV3SJ (ISWL), 18Q0/IC8 Capri, JA5JNX/MM (nr DU Wsl JA5KN), JA6BXY/MM (nr CR7), KA6AY, KG6JAR, WN8MFO/KP4 (Box 62, Navy Isabela, APO NY 09845) LA2MA/MM (nr 9G1), OK5VSZ, UAØAN, YD, FAA, VE7BGU, G8NF/W4, W7ITN(Idaho) ZD3Z, ZM2AH es 5T5CJ.

Goran Ostman SM4DHF, has been doing some army training during November so was not able to report in last time. His log for 80mtrs ssb? EI9CD, HBØAVB, GC3DVC, K1DIR, K3BW, KV4FZ, LX1RF, PJ2VD, W1MX, W4BVV es ZF1VD; for 20mtrs, CR9AK HH9DL, JY6HSM, KL7GDO, EWP, AIZ, EN, HIK, HNQ, KH6RS, TT8AC, TYØABD, TZ2AC,VK2APK MAH, XP1AA,YJ8BL,ZL1ARV,ZM2AFU, es 5R8BD; on 15 mtrs, SM2AGD/CEØ, DX1JMG, EP2SP, KV4CI, PJ2VD, VK9RY, XT2AC, ZL1BKX, AYN, BAS, ZD3X, 3V8BB, 4W1AF es 5T5BH; on 10mtrs ET3USE, MP4TEE, VU25DK, XT2AC, ZD3Z, ZE1BL, 8JN, 5T5DY, es 9L1JT.

Archie Brown G2WQ reports that the nets have been carried on in spite of adverse conditions recently and new members taking part included G3XUM, DA1MI, G2AOF es G3EJB with of course Edgar DU1EJ disguised as DX1EJ. Archie would like to thank SM4DRF for holding the 20 mtr net together with his 9 plus signals.

Don Field G3XTT, has had a busy term at Cambridge University so was only able to operate G6UW in MCC and the 2nd 160 mtr Contest and from home QTH during the CQ WW Contest where some 286 QSO's were made. From the Log - 160mtrs: DJ2BW, 4KW, 8WD DK3II, OH1RG, OK/OL, PE2EVO: 80MTRS W1-4; 40 mtrs, W1,2,5,8,4Z4LI; 20mtrs W1,2,3,5, 89, 4Z4LI; 15mtrs: W1-Ø, VE1-4-8, UK8HAA; and 10 mtrs; SVØWJJ, W1-4,8,ZD2Z, 9E3USA es 9L1JT. His score is now 133/108 using a DX100U, AR77 es 150ft antenna for 160, 80,40 mtrs and a dipole for 20,15,10 mtrs all at 25ft. Donald paid a visit to North America this summer and operated from KL7 on 20mtrs and visited ISWL member W6MSM.

Jim Simon WB4SPG, es WA1POD, will be moving house soon and at last will be able to use a decent Antenna. At present he uses a 12AVQ at ground level into a YAESU FTDX-560. He is QSL manager for TY8ABB, TU2BB, TU2DQ, FL8DS es JA3IG and if the trip to Taiwan comes off he expects to handle that also.
If any member has worked or heard the above stations mentioned he has the cards ready. From his log we find : 20 mtrs cw : CN8CF, EA9EO, G3FNF/JY, UAØYAE (Z 23), UD6DGA UK6FAC/UD6, UI8BI, 8CQ, UJ8JAI, UL7, UM8MAC, VU25JN, 3A2FQ; ssb, CR3AB, JX9TM, M1D, OD5FE, OY, SY1MA, TL8LI, TU2DF, TY3ABF, K5QFH/VQ9 (Chagos) XT2AG, XX6FL, YBØABE, ZD7SD, 6W8EY; on 15mtrs cw : TU2DQ, UK7OAA, ZC4BI. ssb, SM2AGD/CEØ, CR6, CR7. ET3, F5RV/FC, FL8DS, 8HM, JY6UKS, 6UNM, ST2SA, TJ1BF, UD6CC, XV5AC, ZB2GAS, ZD9BM, ZD3Z, 3V8BD, 7XØWW, K5FPW/9G1, 9M2DQ;
10 mtrs, ssb. FGØAFC/FS7, HKØBKX, JY9GR, ZC4AVU, 5B4AD, 9G1YA es on cw UF6FBX.

That's it for this month and very many thanks for so much information, please keep it up and reports by the 5th to : G2BRR R.G.RUGG, SOMERWOOD HOUSE, BRINKWORTH, Chippenham, Wilts, SN15 5DW.

Vy 73 cheerio de Dick. Seasons' greetings to all of you.

1st I.S.W.L. BROADCAST BANDS CONTEST 1973.

1. The contest is open to all members.

2. The contest will start at 1300 local time on Saturday 17th March '73 and will terminate at 0100 local time on Sunday 18th March '73.

3. The object of the contest is to hear as many countries as possible on each of the specified frequency ranges; Only broadcast stations may be logged.

4. The following frequency ranges may be used:- 5950 - 6200 kc/s ; 9500 - 9900 kc/s ; 11700 - 11990 kc/s ; & 15050 - 15480 kc/s. No set time is allocated for any particular band.

5. One point will be awarded for each country heard on each band, and five bonus points will be given if a country is logged on each of the specified frequency ranges. For instance, Australia heard on three different bands will score 1+1+1=3, but heard on all four bands will score 1+1+1+1=5 bonus points = 9 points total.

6. An actual verbal station identification must be heard before stations will be eligible to count for points.

7 A separate log should be submitted for each band. Band logs should contain the following details:- Time of verbal station identification (GMT), callsign or station identification, QRG, brief details of the type of programme heard, and SINPO report. Band scores should be added together and the total score entered on a separate sheet of paper together with the name, League number, and full QTH of the entrant and brief details of the equipment used.
Comments about the contest will be welcomed, together with suggestions for future broadcast bands contests.

8. Entries should be addressed to the I.S.W.L. Contests Manager, G-1516 Mr Clifford A Tooke. 6 Chelmer Avenue, RAYLEIGH, Essex, ENGLAND. to arrive not later than 20th April '73.

9. Certificates of Merit will be awarded to the leading scorer from each continent.

10. The Contest Adjudicator's decision will be final and no correspondence can be entered into after the deadline date.

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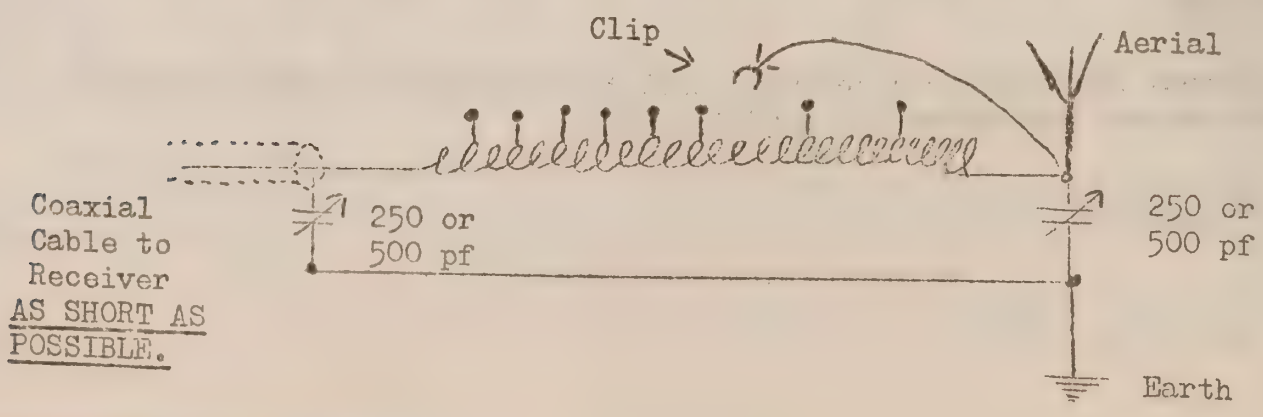
AERIAL TOPICS No. 4

As promised, this month we are going into the subject of aerials for the flat dweller and those with very restricted space in which to erect an aerial. However, before going into the subject and as a result of making reference to Joystick aerials in last month's article, I have received a letter from a Mr. Partridge, who apparently runs the Company responsible for producing this apparatus. He threatens legal action if I divulge constructional data on his equipment and writes "We are notifying our Patent Agents with photostat evidence, but will refrain from legal action pending response to this letter." Well Mr. Partridge, let me give you publicly my assurance that none of the constructional data contained in this article is actually of any equipment marketed by you and any similarity is purely coincidental. If in outlining two of the simplest basic circuits used in aerial systems, namely the "Pi network" for antenna tuning and the principals of a loading coil used with whip or rod antenna, I appear to describe the construction of your equipment, then it must be realised it is pure coincidence.

Let us deal first of all with random length aerials, which can be any length from a few feet, right up to a few hundred feet long. Aerials which can run in many different directions, at varying heights, possibly with a few bends in them. The only important factor, being that they are well insulated from ground to earth. Such aerials, being end fed usually with a single wire feeder, require to be matched and loaded to a receiver for the specific frequency it is tuned. This can be readily accomplished by using a very simple-to-construct "Pi-network" aerial tuning unit. Such a unit is easily assembled by winding a coil of 40 turns of 16 swg copper wire on a $2\frac{1}{2}$ inch former, (I have even used the core of an old toilet roll very successfully) the windings covering a length of approx. $3\frac{1}{2}$ inches. It is necessary to solder tappings on to the windings of our coil and these can be say $\frac{1}{4}$ inch stubs of wire. Starting from one end, these should be soldered on at one turn intervals, so the first five tappings cover the first ten turns of our coil. After this, we can gradually increase the distance to two turns, next three turns, then four turns and so on. These taps are used to short-out the coil windings, by using our short flylead with small clip on the end - see circuit illustration. If preferred, or at a later date, a rotary single pole 12 way switch can be used, making a more professional job of our A.T.U. Once the coil section has been made, then the unit is completed by soldering in the two variable capacitors at either end of the coil and take the capacitors contacts from rotating blades down to earth (common).

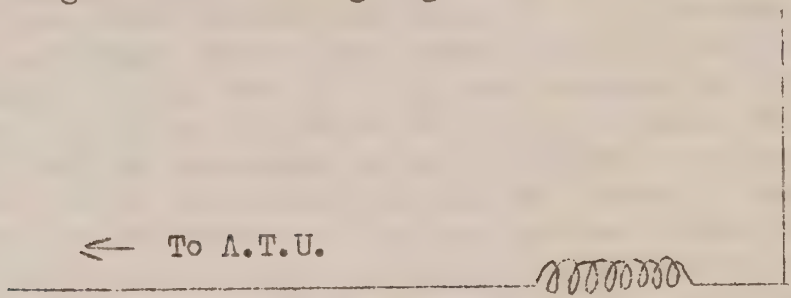


The whole unit can be smartened up, by using calibrated dials on the variable capacitors and the unit installed in a metal box, which itself can be earthed. Input and output sockets can be used and, if it is decided to incorporate a rotary switch in place of using a flylead to short the coil out, then of course numbering the switch positions would be a great advantage on the dial knob or it's surround, would make it ideal for logging purposes. It is then only necessary to rotate the rotary switch, whilst the capacitors are wide open at minimum, until "S" meter gives highest reading, then rotate capacitors to achieve further peak readings. With the circuit described, it is possible to match any random length of wire to any frequency from 1.8 mc/s to 30 mc/s. It will be found that the use of this A.T.U. for reception above 5 mc/s, is particularly advantageous to quite a marked degree.

Now at the outset of this article, I mentioned that this A.T.U. can be used with any random antenna and a random antenna is exactly what it's name implies. I have seen it used, for instance, with only a six foot long whip aerial that was stuck outside a flat window at a 45 degree angle and extracting from the ether a VE2 sidebander with surprising clarity and signal to noise ratio. In using this A.T.U. though, there is no substitute for getting as much aerial out as we can. The golden rule being as long, as high and as much in the clear of buildings and trees, etc. as possible. If we are a flat dweller, then quite often this is impossible, so then we must do the best we can. There are still many ex-government twelve foot whip tank aerials on the surplus market, as well as highly effective rubber bases for these whips. If these are used in conjunction with the A.T.U. already described and mounted on a window sill, at say a 45 degree angle, then under the circumstances we have the basis of a reasonable compromise. We must be cautious though that what ever we use is well insulated from earth, buildings, etc. right up to its connection to our A.T.U. Earthing the A.T.U. is quite a problem for the flat dweller. In this modern age of plastic pipe plumbing, very often we cannot rely onobtaining a reasonable earth, by connecting a wire to the water system and it may not be possible to run a sunstantially thick wire out of the flat window down to some earth spikes in the ground below. Unfortunately this is a difficult problem, but on no account attempt to obtain an earth from your domestic electricity supply, this can be fatal in more ways than one. I have heard from one flat dweller who uses quite an elaborate system of "Chicken netting", spread all over the floor of his flat under the carpeting, who claims he has found it provides him with an excelent artifical earth.

However, if we decide to try a window-sill ,ounted whip, then it is a recognised fact additional loading is both beneficial and really required, to effectively make up for the lack of antenna length. Without indulging into technicalities, we can either add a loading coil at the base of the whip, or at it's centre. There are many commercially made whips or rods of these types available and in constant use by amateur mobile stations. Mobileers use a different loading coil for each band, specially wound to bring the whip to resonance on a given frequency. As we are going to use our whip with the A.T.U. described, for a wide range of frequencies, then separate coils need not be consideered. If we are going to use a ten or twelve foot whip, it can be easily base loaded for top band by winding a simple coil of 135 turns of 18 gauge enamelled wire on a $2\frac{1}{2}$ inch former (our old toilet roll core will do again here).

One end of the coil is soldered to our whip aerial and the other end of the coil is soldered to a single wire feeder going to the A.T.U. See illustration -



Finally, I would point out again, that the antenna described in this month's article is not commercially available to my knowledge and that any similarity existing between it and any commercially manufactured aerial system is purely coincidental. Let me have your letters upon aerial experiments, as I shall be discussing queries again next month, so remember my address and good D.X. hunting -

Malcolm Newsome,
Wits End,
STILLINGTON,
Yorkshire.

BARRY COLLEGE OF FURTHER EDUCATION RADIO SOCIETY GW3VKL/GW4BRS

TEN METRE CONTEST

1000-1200 and 1400-1600gmt on 18th. February 1973.
Open to all amateurs in Zone 'A' of the Two Metre band plan.
Only one section may be entered for scoring although operation may be in both parts.
All modes.
Exchange (RS(T) plus aerial number beginning at 001 in each section.
Each contact counts one point.
Logs should show time, call of station worked, report out, report in, mode, pojts claimed, and be sent not later than 18th. March 1973 to: Barry Radio Society, c/o D.H.Adams, GW3VBP, College of Further Education, Barry, Glamorgan
Listeners in any part of the country may enter and should log stations taking part in the contest, noting the serial numbers sent and received.
A £1.00 Book Token will be presented to the leading amateur and listener.
In the event of any dispute the ruling of the Committee of the Society shall be final.

ISWL AWARDS

Following are details of awards issued since the previous listing was given in the April 1971, issue of MONITOR.

CENTURY CLUB

304 R.Erny DL-9117
305 K.Trautner HE-1704
306 H.van Gelderen DL-12394
307 M.E.Weaver G-6903
308 P.J.Field VK5-12762
309 S.M.Roberts (Cpl) 9V1-12997
310 R.Fansler (CW)WA9UET WA9-12594
311 J.Wilson VE3-12834
312 C.McGeorge W6-12859
313 R.Mackintosh VK2-12892
314 M.Fritsch DL-12149
315 HTL Short Wave Club OE-12680
316 R.Harris W5-10353/XV5
317 G.Langlois (SSB) FR7ZG FR7-12990
318 H.V.B. Voorhis W2-2173
319 P.DeSilva W7-12836
320 JW. Westwood G-12205
321 M.A.Batt (SSB) VK3-13062
322 I.H.Lee G-12923
323 M.Uhlig HB-13132
324 R.L.Williams (SSB) G-11051
325 R.A.Treacher G-13124
326 J.H.Simon W4-8976
327 Ann E. Parker. Miss.(Bc)W9-12771
328 J.H.White W4-13340
329 D.Hartley (SSB) G-11997
330 G.Greenberg WB2YPN WB2-12884
331 J.Idstein (SSB) DL6QT DL-13173
332 R.Harris. EP2DX W5-10353/EP
333 F.Wheeler W6-13350
334 J.Komlos (CW) DL-12090
335 O.Carlsson. (SSB) SM-13258
336 M.Austin G-12941
337 T.Cheesley (SSB) 9M2 -13189
338 K.V.Ford VK5EJ VK5-13460
339 R.G.Cheeseman G-12665
340 E.Baker G-13285
341 R.A.Catmur. VK5FY VK5-13551
342 G.M.Darling (Bc) G-10541
343 W.W.Flechtmann DL-12936
344 D.Rolla I1-13745
345 R.Haeckel. (Bc) DL-9411
346 R.M.Drew DL4DR DL4-13735
347 D.Tanner VK5QB VK5-13536
348 K.Kraus DL-12750
349 W.Renner (SSB) OE7-700171
350 P.Kuhfus DL-13521
351 F.Norgrenn (Bc) LA-12975
352 R.Jersch DL-13191
353 B.Ward (Bc) G-13078
354 A.Kirby G-9600
355 A.Pawsey G-13649
356 J.Attar (SSB) OD5BA OD5-13982
357 J.Bower VE7TL VE7-13870
358 H.F.Dumrese (Bc) DL-13856
359 S.Duke Flannagan. KL7HDB KL7-14009
360 P.Richard ON-14021
361 C.J.Wade G-10971
362 J.Morris (Bc) G-14036
363 E.Hlom. (CW) OK1AEH
364 M.Tuhacek (CW) OK2BKL
365 R.B.Yates G-6217
366 F.Reach (SSB) DL-14077
367 K.Muller 3D6-14085
368 M.R.Bartle (SSB) G-12877
369 V.Svoboda OK1 -17825

HEARD ALL STATES

123 K.Schenk DL-11712
124 R.Fansler (CW) WA9UET WA9-12594
125 C.McGeorge W6-12859
126 M.Jones GW-5875
127 G.Langlois (SSB) FR7ZG FR7-12990
128 G.H.Greenberg. WB2YPN WB2-12884
129 L.K.Davis W6-13093
130 M.J.Hewitt. (CW) G-7871
131 G.Preuss GW-7796
132 F.Wheeler W6-13350
133 S.M.Garber W6-13363
134 E.Luff (SSB) VK5-12245
135 K.Lisowicz (SSB) SP9-13579
136 R.Richardson. G3WRD G-6832
137 J.Turunen OH-11635
138 J.Attar. (SSB) OD5BA OD5-13982
139 S.Duke Flannagan KL7HDB KL7-14009
140 E.Hlom (CW) OK1AEH
141 W.Fischer DEM-16020
142 C.W.Westphall KØHSC

HEARD ALL ZONES

75 K.Schenk DL-11712
76 J.Turunen OH-11635
77 M.McNamara (SSB) EI-11800
78 G.W.Redhead GW-9953
79 R.Harris W5-10353
80 N.Bainbridge (SSB) GM-9709
81 B.J.Broughton (SSB) G3XBR G-12909
82 K.Trautner (SSB) HE-1704
83 B.Jansson SM-13135
84 R.L.Williams (SSB) G-11051
85 R.Fansler (CW) WA9UET WA9-12594
86 F.Wheeler W6-13350
87 K.Lisowicz SP9-13579
88 W Fischer DEM-16020
89 J.Attar (SSB) OD5BA OD5-13982

COMMONWEALTH AWARD

94	G.Redhead	GW-9953
95	M.E.Weaver	G-6903
96	M.McNamara. (SSB)	EI-11800
97	S.M.Roberts (Cpl)	9V1-12997
98	C.McGeorge	W6-12859
99	R.B.Mackintosh	VK2-12892
100	J.Turunen, OH2BFY	OH-11635
101	P.Schwierz	DL-8913
102	R.L.Williams (SSB)	G-11051
103	B.Jansson	SM-13135
104	R.Fansler (CW) WA9UET	WA9-12594
105	J.H.White (SSB)	W4-13340
106	M.Jones	GW-5875
107	G.Langlois (SSB) FR7ZG	FR7-12990
108	M.Uhlig (SSB)	HB-13132
109	P.E.DeSilva.	W5-12836
110	T.Cheesley. (SSB)	9M2-13189
111	G.Elsigan	OE-12680
112	W.B.Copple (SSB)	G-8427
113	P.N.Marcano YV7AV	YV-13892
114	J.Attar (SSB) OD5RA	OD5-13982
115	J.Bower VE7TL	VE7-13870
116	S.Duke Flannagan (SSB)	KL7-14009
117	H.Klein	DL-12275
118	E.Hlom (CW)	OK1AEH
119	D.Rolla (SSB)	I-13745
120	C.Bugnano. (SSB) I1BGJ	I-13746
121	M.J.Seaward	

PACIFIC OCEAN AWARD

40	T.Cheesley	9M2-13189
41	R.Harris. EP2DX	W5-10353/EP
42	K.Lisowicz. (SSB)	SP9-13579
43	R.Catmur. VK5FY	VK5-13551
44	M.E.Weaver. (Phne)	G-6903
45	R.Fansler (CW) WA9UET	WA9-12594
46	D.Tanner (SSB) VK5QB	VK5-13536
47	J.Attar. (SSB) OD5BA	OD5-13982
48	J.Bower. VE7TL	VE7-13870
49	S.Duke Flannagan (SSB)	KL7-14009
50	G.De Gasperin I2YDX	I-13584
51	A.Miller (Phone)	G-5218
52	C.Bugnano (SSB) I1BGJ	I-13746
53	M.Jones	GW -5875
54	J.Arpagaus	HB-8706

MONITOR AWARD

10	R.Harris EP2DX	EP-10353
11	A.Brown G2WQ	G-6404
12	N.Rosen	W2-6893
13	P.J.Simmons, GM3YHJ	GM-12519
14	D.L.McLean. G3NOF (SSB)	G-3400
15	G.Ostman. SM4DHF	SM-13443
16	S.Sefton. G3ZBA	G-10654
17	J.Price G3UHH	G-528
18	K.Lisowicz (SSB)	SP9-13579
19	P.A.Conway, 7Q7BC	7Q7-8907
20	B.R.Edwards. G3RJB	G-6099
21	M.Cuckoo	G-13166
22	R.J.Patterson	G-10585
23	R.G.Rugg, G2BRR	G-6652
24	P.Kuhfus	DL-13521
25	D.Tanner (SSB) VK5QB	VK5-13536
26	P.N.Marcano YV7AV	YV-13892
27	D.Henbrey	G-12441
28	J.Attar. (SSB) OD5BA	OD5-13982
29	S.Lowe G8FEO	G-13503
30	H.Klein	DL-12275
31	O.S.Chilvers. G3JOC	G-13508
32	D.Hoult. G400	G-13846
33	G.V.Hammond. VE3GCO	VE3-7554
34	E.R.Chilvers	G-11492
35	P.Revill G3ZZR	G-13248
36	B.Harrison	G-13478

Congratulations are offered to SM4DHF OM Goran,who is the first member to obtain the 100 sticker on his MONITOR award. 75 stickers have been granted to G3WTV, G2WQ, and G-11195.
50 stickers have been granted to G-13078 G-10585, G2BRR, and G3JOC.

Awards Manager :- Cliff Tooke. G-1516. 6 Chelmer Avenue, RAYLEIGH, Essex SS6 7TB

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League Supplies

All prices include postage and packing

Member's Stationery : Headed notepaper printed with the League emblem and title in green on white bond paper.
100 sheets 30p. (U.S.A. $1.00)
Envelopes to match with emblem printed in green.
Manilla–100 for 20p.; White–100 for 25p. (U.S.A. $1.00)

League Badges : Lapel emblem badges very neatly designed in gilt and magenta.
Lapel (stud) type 20p. each; Brooch (pin) type 23p. each.
Either type of fitting badge sent first class airmail to the U.S.A. or Caanda for one dollar bill.

Blazer Badges : The League emblem is also available as a blazer badge on navy blue cloth. The eagle, lettering and border in gold and white on a magenta background are combined to produce a most distinguished badge which Members will be proud to wear. Price 50p. each.

"The Art of QSLing" : a publication written for League Members by experienced SWL's. Its five chapters cover the whole topic of sending reports to amateur and broadcast stations and all who use the League QSL Bureau should have a copy.
Price 13p. or five I.R.C.'s. (U.S.A. 50 cents)

Report Pads : If you need that QSL card send a comprehensive report. Our printed report sheets provide a convenient form for a detailed report and are available either for the RS(T) system or the SINPO system of signal reporting. Price 25p. (U.S.A. $1.00) per pad of 50 sheets of either type. Please state which is required when ordering.

QSL Cards : These are the only cards bearing the official I.S.W.L. emblem. They are available in either magenta, blue or green, and contain all the essential data for making a useful and comprehensive report.
Price 12 for 8p.; 100 for 50p.; 250 for £1.00. (U.S.A. $3.00)

Personal QSL Cards : The official League cards with Member's League number or call sign and address overprinted.
100 for 75p. (minimum order); 250 for £1.25. (U.S.A. $3.50)

Headed Notepaper : Member's notepaper additionally printed with Member's name, League number/call sign and address.
100 sheets for 54p. (minimum order 100 sheets); 250 sheets for £1.20. (U.S.A. $3.50)

League Ties : 100% Terylene neckties featuring the League emblem tastefully on a dark blue background. Price £1.00. (U.S.A. $2.50)

League Scarves : The same material and design as League Ties.
Price £1.75. (U.S.A. $5.00)

Car Window Stickers : Approximately 3 ins. (8cm.) diameter, featuring the League emblem maroon on white.
Price 8p. each or four for 25p. (U.S.A. $1.00)

Anniversary QSL Cards : These are similar to the regular League cards but bear a reference to the Silver Jubilee and are in silver print, and as a limited number have been printed they are being offered at a special low rate of 100 cards (minimum quantity) for 40p., 500 cards £1.75. (U.S.A. $5)
The Anniversary Cards can be overprinted with the Member's League No. or Call Sign and Address, 100 cards (minimum quantity) for 70p., 500 cards for £1.95. (U.S.A. $5.50)

Members Guide : A 34 page booklet containing helpful articles for the newcomer to the hobby.
Price 10p. or three I.R.C.'s. (U.S.A. 50 cents)